CLEARINGHOUSE

Health Care Financing

Research & Demonstration Series



Report No. 1

Autogrp
Patient Classification Scheme
And Diagnosis Related Groups

REPORTS
RA
971
.3
F48
1977

Department of Health, Education & Welfare • Health Care Financing Administration

RA
971.3
.F48
1977

CLEARINGHOUSE

AUTOGRP PATIENT CLASSIFICATION SCHEME
AND
DIAGNOSIS RELATED GROUPS (DRGs)

AUGUST, 1977

This report is made pursuant to contracts #HCFA 600-75-0180 and #HCFA-500-77-0043 between the Health Care Financing Administration, Department of Health, Education, and Welfare and Yale University. The amounts charged to the Department of Health, Education, and Welfare for the work resulting in this report (inclusive of the amounts so charged for any prior reports submitted under these contracts) are $470,282 and $415,000. The names of the persons, employed or retained by the contractor, with managerial or professional responsibility for such work, or for the content of the report, are as follows:

Robert B. Fetter, Principal Investigator

The Project Officers for these contracts are Al Esposito, a staff member within the Office of Demonstrations and Evaluations, Office of Policy, Planning, and Research, and Andrea Kopstein, a staff member within the Division of Data Planning and Analysis, Health Standards and Quality Bureau. The views and opinions expressed in the report are the contractor's and no endorsement by the Health Care Financing Administration or Department of Health, Education, and Welfare is intended or should be inferred.

TABLE OF CONTENTS

Page

1. Introduction 1

2. A Grouping Process 2

3. Identification and Evaluation 3

4. A Quality Assurance System 10

5. Budgeting and Cost Control 10

6. Grouping Strategy 11

Appendix Material

Appendix A Major Diagnostic Categories

Appendix A.1 List of Major Diagnostic Categories

Appendix A.2 Indices of Major Diagnostic Categories

Appendix B Diagnosis Related Groups (DRGs)

Appendix B.1 List of 383 Diagnosis Related Groups with Corresponding AUTOGRP Codes

Appendix B.2 List of 380 Diagnosis Related Groups for MADOC Databases with Corresponding AUTOGRP Codes

Appendix C Tree Diagrams and Short Displays

Appendix D Grouping Algorithm

Appendix E Source Listings

Appendix E.1 Source Listing of ICDA8 Grouping Program

Appendix E.2 Source Listing of HICDA Grouping Program

Appendix E.3 Source Listing of HICDA2 Grouping Program

Appendix E.4 Source Listing of MADOC Grouping Program

1. INTRODUCTION

Many of the problems encountered in the management of health systems and institutions can benefit from a common approach to the identification of classes of consumers for whom consistent, stable, and reliable patterns of resource consumption can be predicted during any episode of care. The functions which can be addressed from this common ground include at least:

- patient care monitoring
- medical care evaluation
- quality assurance
- budgeting
- cost control
- reimbursement control

The central role of quality assurance can be used to specify the classification scheme and the other applications can be tied to this central focus.

Basically, quality assurance involves testing the legitimacy of the decision-making processes on the part of the provider(s) and the patient in terms of: the definition of need for care; and, the definition of procedural end points and measures of success. There is, of course, a large literature specifying successful application of quantitative methods to the decision making process in a wide variety of circumstances, including the administration of medical care. The root of the problem in application is making explicit, on a systematic basis, what is implicit in the practice of medicine for individuals and groups. In the not so distant past, the construction of explicit criteria was resisted because of an unrealistic fear that such specification would make more rigid the practice of medicine. Increasingly, knowledgable professionals are recognizing that only through use of such criteria can effective programs of evaluation be mounted.

Our experience in working with providers on the development of patient care monitoring mechanisms has led us to conclude that the present practice of standard setting and implementation has a major defect in the initial definition of patient (or problem) groupings. These groupings take the form of diagnostic categories in many specialities. In psychiatry, labels for complex configurations of patient attributes and malfunctions are used. In implementation, the user of the criteria must heavily embellish the skeletal protocol, entertaining a variable number of extenuating circumstances in diagnosis and treatment. This practice of grouping often heterogeneous patients, in terms of need and expected care, leads to a high degree of variation in provider performance, as measured by the criteria and leads to estimates generated by the evaluation exercise of uncertain worth in developing corrective action.

In developing quality assurance programs, it should be recognized that the objective of criteria specification is not to construct a single, rigid protocol for evaluation of care, but to fashion a mechanism that can accommodate legitimate differences of opinion concerning patient management. Properly designed, such a mechanism would allow the different approaches to be put in

proper relief, setting the stage for patient care research on the relationship between process and outcome under experimental conditions.

It should be obvious that neither process nor outcome measures in isolation are sufficient in dealing with the objectives posed by quality assurance. Rather, both are necessary and sufficiency can only be judged by results obtained in merging these measures. In order to be useful for quality assurance, the evaluation of outcomes should be comparative. That is, one should be able to assess outcome along comparable dimensions for comparable patients. It is obvious to observe that comparison between disparate diseases (acute myocardial infarction vs. fractures, e.g.) does not make much sense, but it is also true that appendicitis is not well defined unless one has knowledge of the patient's age, complicating factors, and the like. One can, however, evaluate outcomes comparatively among those patients for whom (a) the disease attributes are the same and (b) the processes of care are the same.

Processes of care must be well-defined and homogeneous among a given set of patients in order for the evaluation of outcomes to be meaningful and useful. Outcomes must certainly be evaluated vis a vis process, but process measures must be used to monitor those critical patient management decisions which determine the course of patient care. It is argued, therefore, that a necessary starting point in any quality assurance program is the identification of classes of patients for whom homogeneous process measures can be obtained and for whom their clinical attributes produce consensus concerning patient management decisions and paths within any facility.

2. A GROUPING PROCESS

In order to operate a patient care monitoring system, one must be able to identify, based on process measures, incidents of care for which patient management decisions appear to produce unexpected results in terms of utilization. If, for example, we employ bed-days consumed as one of our measures, we must be able to predict the bed-days required by each patient. This means that some set of patient attributes (such as diagnosis, age, complications, and the like) must be identified sufficiently to allow stability in such predictions.

We have developed an interactive statistical analysis system, called AUTOGRP[1]. which allows one to partition data (patient records in this case) so as maximally to explain variation in some dependent variable (e.g., bed-days) as a function of some set of independent variables (patient attributes). (Refer to Appendix D for a description of the algorithm used by AUTOGRP in the grouping process).

Taking inpatient data with a dependent variable of length of stay as a specific example of the AUTOGRP process, the entire range of diagnoses was divided by clinicians into 83 broad mutually exclusive categories to facilitate analysis. The following principles were observed in creating these categories:

[1]Mills, R., R.B. Fetter, D.C. Riedel and R. Averill, "AUTOGRP: An Interactive Computer System for the Analysis of Health Care Data." Medical Care, July 1976

1) Major diagnostic categories must have consistency in terms of their anatomical, physio-pathological classification, or in the manner in which they are clinically managed.

2) Major diagnostic categories must have a sufficient number of patients.

3) Major diagnostic categories must cover the complete range of codes without overlap.

A list of these categories as defined by their ICDA8, HICDA, and HICDA2 codes appears in Appendix A.1. There is also an indication of the corresponding Professional Activities Survey (PAS) diagnosis groups that make up each category. Appendix A.2 contains an index of these major diagnosis groups by primary diagnosis codes (ICDA8, HICDA, HICDA2). A clinician used AUTOGRP on one category at a time, partitioning the data into smaller Diagnosis Related Groups (DRGs) that were medically meaningful and statistically well behaved.

Category 68, "Diseases of Bone and Cartilage" can be used for an example. Figure 1 shows a length of stay distribution for all patients in the category. These data cover a year of experience for all the hospitals in a region. By partitioning the dataset into patients with or without surgery, the distributions shown in Figure 2 were produced. The patients with no surgery were then split into two groups according to their primary diagnosis as given by the lists in Figure 3. Their length of stay distributions are also indicated. Patients with surgery were split into three separate groups with length of stay distributions shown in Figure 4.

Figure 5 is a tree diagram summarizing the splitting process and making reference to the length of stay distributions. Figure 6 provides the precise definition of the divisions according to diagnoses (D1 and D2) and surgeries (P1, P2, P3). This example is for one category: the subdivision of each category is unique based upon the attributes of the database.

For most hospitals where such partitioning has been attempted, results in terms of grouping strategy are remarkably consistent (the statistics are usually very different, however), and the number of groups necessary to define a patient population is of the order of 400. Our experience to date shows that of the variance remaining in regional distributions of the kind developed here, when distributions are generated for individual hospitals, the within hospital component tends to be smaller then that between hospitals. Most hospitals display consistent and relatively uniform behavior as they treat each of the DRG's.

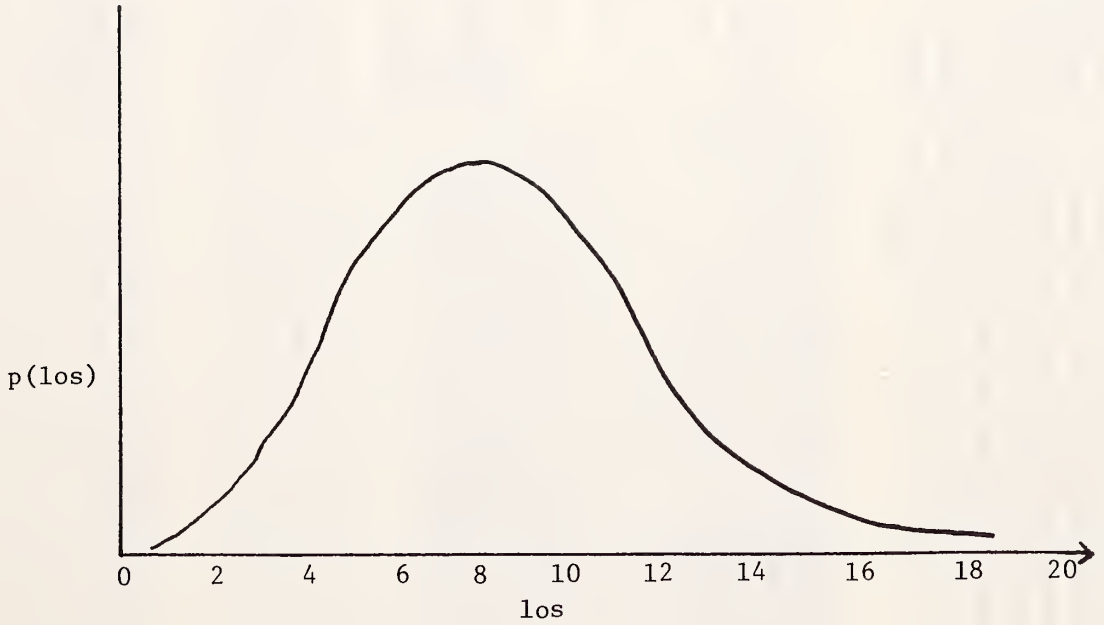


Figure 1: Length of Stay Distribution for Category 68: Diseases of Bone and Cartilage

mean	std. dev.	number of patients
7.71	4.50	1545

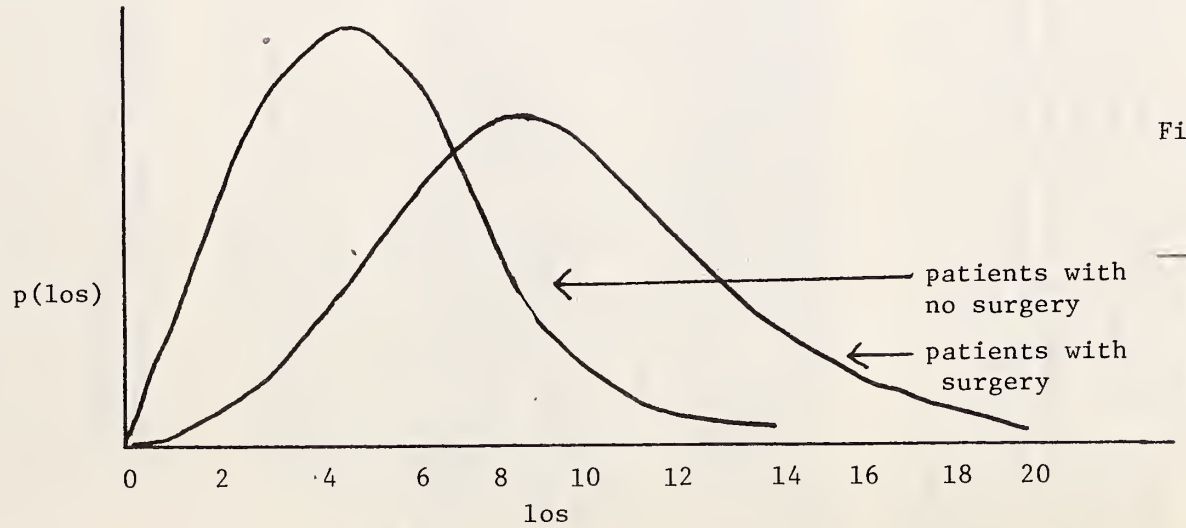


Figure 2: Partitioning of Presence or Absence of Surgery

mean	std. dev.	number of patients
4.71	3.89	858
8.33	5.16	687

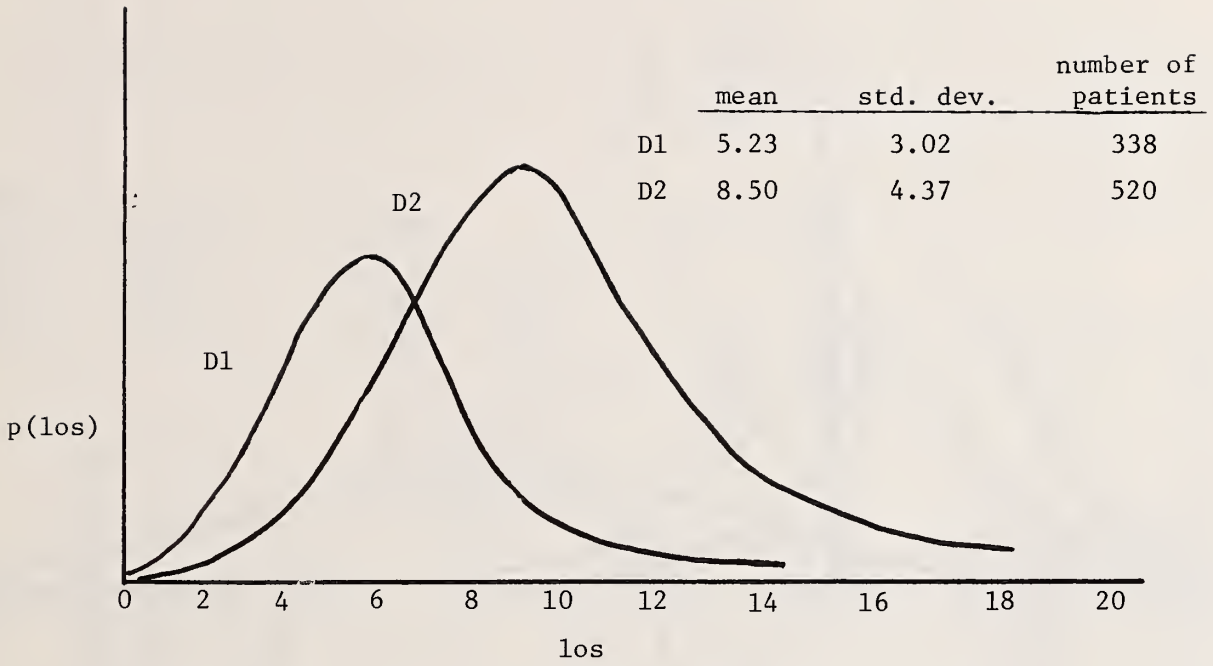


Figure 3: Partitioning of Patients with No Surgery into Two Groups Based on Primary Diagnosis

D1

7179 Nonarticular Rheumatism NEC
7235 Costochondritis
7240 Spinal Derangement NEC
7246 Knee Derangement NEC

D2

7230 Osteoporosis
7210 Pathologic Fracture
7202 Osteomyelitis NOS
7232 Osteitis Deformans

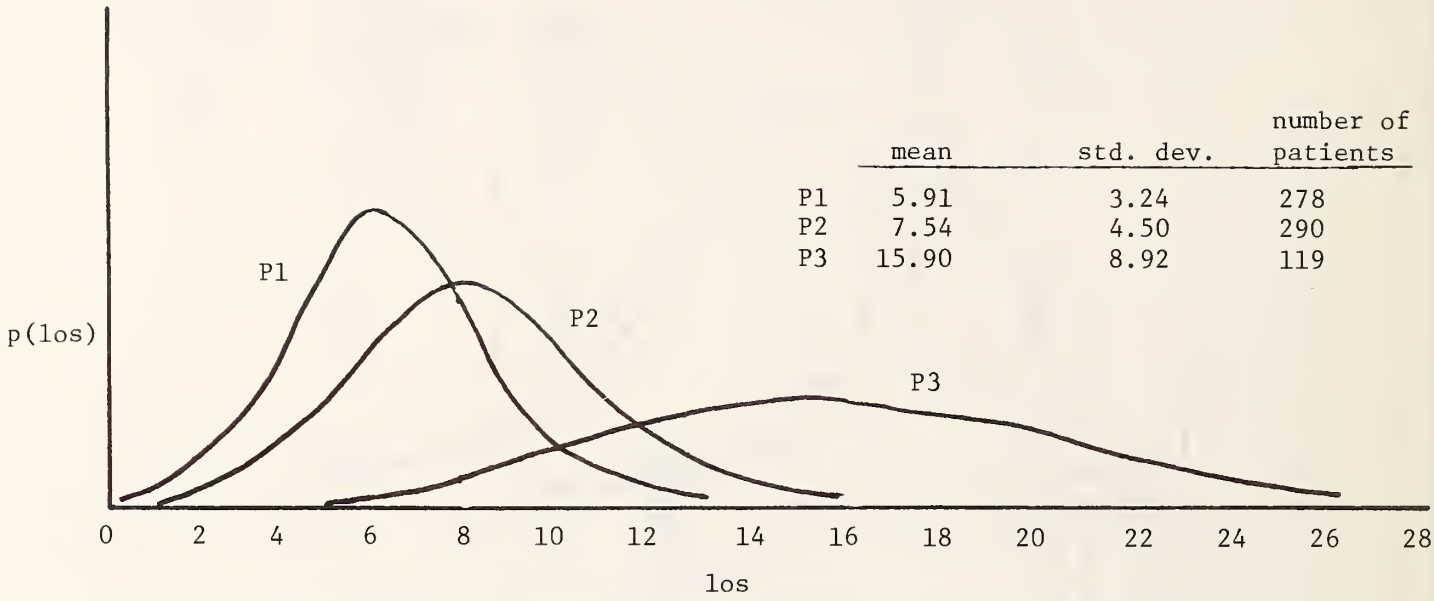


Figure 4: Partitioning of Patients with Surgery by Specific Surgery

P1

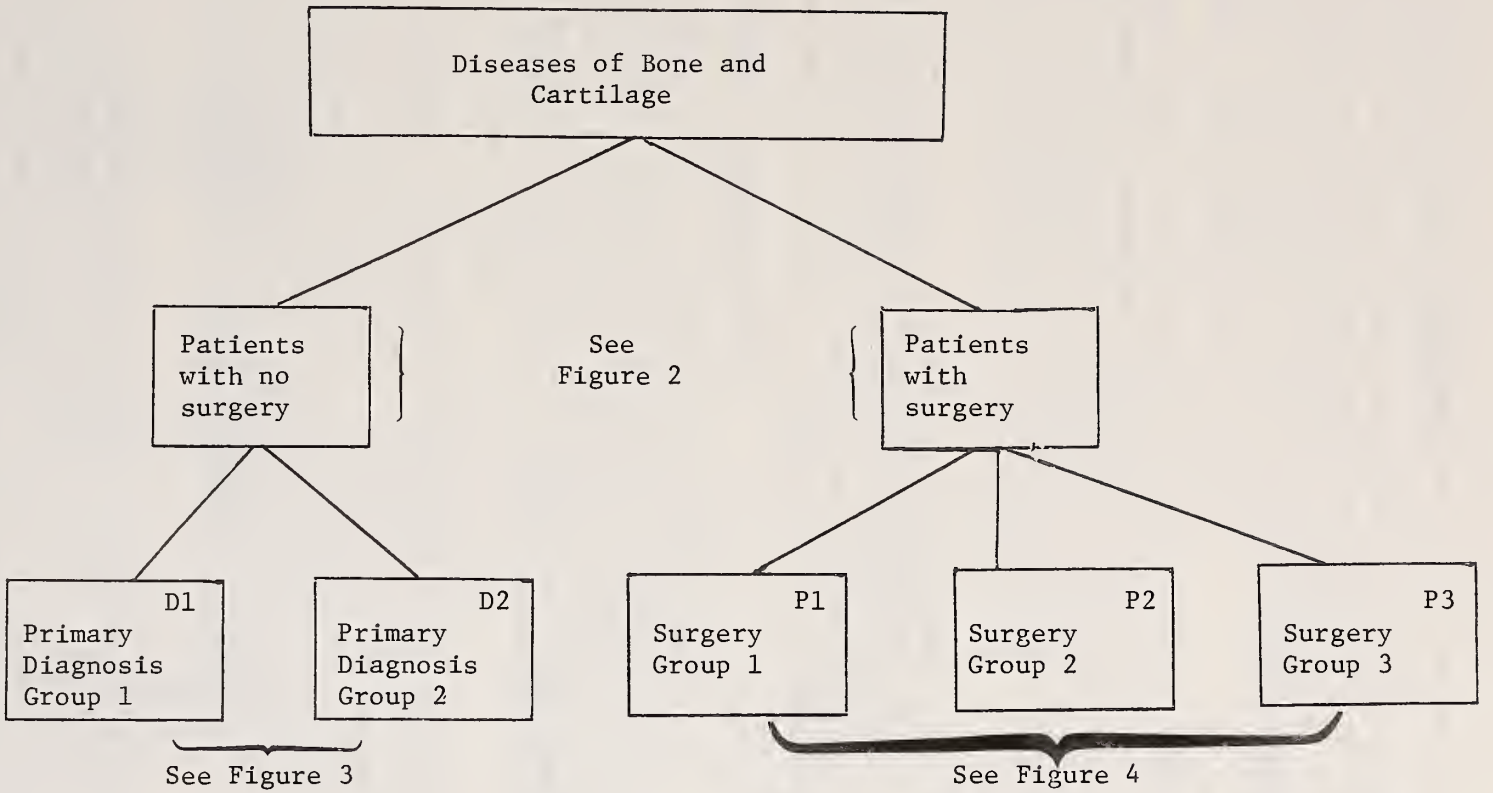
806 Excis Semilunar Cart-Knee
818 Arthroplasty of Shoulder
850 Joint Manipulation NEC
837 Muscle Tendon Transplant

P2

802 Arthrotomy
783 Excision Bone Lesion
788 Remove Internal Fixation

P3

816 Arthroplasty Hip NEC
845 Toe Amputation
815 Total Hip Replacement



Figures 1-4 show length of stay distributions for the groups

Figure 6 shows the precise descriptions of the Diagnosis Related Groups (D1, D2, P1, P2, P3) and their length of stay statistics

Figure 5: Partitioning Pattern

68 Diseases of Bone and Cartilage

D1

7179 Nonarticular Rheumatism NEC
7235 Costochondritis
7240 Spinal Derangement NEC
7246 Knee Derangement NEC

D2

7230 Osteoporosis
7210 Pathologic Fracture
7202 Osteomyelitis NOS
7232 Osteitis Deformans

P1

806 Excis Semilunar Cart-Knee
818 Arthroplasty of Shoulder
850 Joint Manipulation NEC
837 Muscle Tendon Transplant

P2

802 Arthrotomy
783 Excision Bane Lesion
788 Remove Internal Fixation

P3

816 Arthroplasty hip NEC
845 Toe Amputation
815 Total Hip Replacement

Group Name	Number of Patients	Percent of Population	Average Length of Stay	Standard Deviation
D1	338	21.88	5.23	3.02
D2	520	33.66	8.50	4.37
P1	278	17.99	5.91	3.24
P2	290	18.77	7.54	4.50
P3	119	7.70	15.90	8.92

Figure 6: Group Definitions and Summary LOS Statistics

3. IDENTIFICATION AND EVALUATION

The example of the grouping process was shown using length of stay profiles. It is also possible to create profiles within Diagnosis Related Groups for any measures of resource consumption. Common methods are profiles of charges for ancillary services or costs for ancillary services and non-charging services. Table 1 gives a list of hospital service dimensions which may be used to create DRG specific profiles.

Patients, whose clinical attributes indicate their membership in a DRG, but whose resource consumption profiles show unexpected aberrations, can be identified rather easily. Explanations sought for such aberrancies can result in (a) definition of new DRGs of patients or redefinition of existing DRGs, (b) redefinition of processes of care, (c) feedback to providers as to causes and corrections for such aberrancies.

If such identification, evaluation, and feedback is carried out comparatively both within and between institutions and regions, and is coupled with outcome analysis within DRGs to evaluate the effect of differing clinical judgements on the results of the care process, an essential link between process and outcome necessary to quality assurance can be established.

4. A QUALITY ASSURANCE SYSTEM

These concepts can be embedded in an operational system, which, in our view, is worthy of trial and evaluation. The classes of patients, each defined in terms of the resources expected to be consumed and for which some clinical consensus has been obtained, essentially constitutes a highly specific demand model for health service. While we are referring specifically here to the demand for acute care in hospitals, the same concepts apply with respect to other providers.

As each patient is given care and consumes resources, his pattern is compared statistically to that expected based on the resource consumption profile of the class to which he belongs. As significant differences are detected, the system generates signals (in the same manner as in statistical quality control in industrial practice) which result in search for identifiable causes for such aberrancies. As causes are understood, the system adapts to this new level of understanding and stabilizes its own definitions of patterns of care and attendant resource consumption.

Given this kind of operation on an institutional level, the clinical consistency of class definitions will allow comparison of institutional practice among institutions but with respect to comparable types of patients for whom outcome can then be assessed relative to resource consumption. Thus, for the same class of patient, we might well observe marked differences in resource consumption profiles among institutions as a result of differing policies and practices. Such differences can only be rationalized in terms of differential outcomes given that we are dealing with the same class of patient in each case.

Table 1

Hospital Service Dimensions

1. admitting
2. dietary
3. patient billing
4. hotel services
5. nursing services
6. hospital medical services
7. medical records
8. social services
9. newborn special care unit
10. intensive care unit
11. coronary care unit
12. operating room
13. recovery room
14. anesthesiology
15. delivery
16. diagnostic radiology
17. radioisotopes
18. radiation therapy
19. laboratory
20. electroenceophalography
21. electrocardiography
22. medical and surgical supplies
23. physical medicine
24. inhalation therapy
25. peritoneal dialysis
26. intraveneous therapy
27. cardiac special procedures
28. cost of drugs sold - pharmacy
29. routine special services
30. renal dialysis
31. urology

With a regional (inter-institutional) comparison and evaluation of outcome relative to each differing pattern of care, providers will be in a position to assess the relative value of differential process (and its costs) in producing differing outcomes. Assuming consumers and third party payers are involved in the decision process which employs such information in adapting the existing system over time, one would expect that more effective as well as efficient care would be provided.

5. BUDGETING AND COST CONTROL

By projecting an expected case mix across these Diagnosis Related Groups, a hospital, for example, could project its budget based on this forecast by the simple process of "exploding" the resource consumption profiles to predict the total expected costs of service. Through monitoring actual versus projected costs, control decisions could be directed specifically at unexplained and/or controllable variances.

Third party payors could use the resource profiles evaluated by outcome studies as providing effective care as standards against which to provide an incentive prospective reimbursement system.

6. GROUPING STRATEGY

In order to make this approach operational it is necessary to have a consistent and reliable strategy for classification of acute care records. Our experience and observations of such work over several years and involving diverse data sets and users has led to the following description of this process. Hereafter, "dataset" will refer to observations in a major diagnostic category.

First of all, the dataset was refined by eliminating certain unwanted observations. Next, the CLASSIFY algorithm was used to determine which variables (or patient attributes) might be of value in discovering a basis for an initial split. Groups were generated based on the most appropriate variables determined by the results of the CLASSIFY procedure. These newly formed groups were either left as terminal groups or further split into subgroups.

It should be emphasized that a clinician used the CLASSIFY algorithm to suggest groups of observations that may be different with regard to length of stay. However, he relied on his medical knowledge to make judgments about the recommendation and actually formed the groups only if they made clinical as well as statistical sense.

In refining the dataset, dead patients were removed, bad records eliminated, and particularly deviant cases excluded from further analysis. Dead patients were removed from consideration since their length of stay and medical management were atypical of the disease or problem being studied. Records with obvious coding errors or missing data were also eliminated because their information could be misleading. Observations with disproportionately high values of length of stay were excluded since a few deviant records could have a marked effect on the stability of a group's distribution.

To determine a basis for an initial split the CLASSIFY algorithm was applied to the refined dataset using independent variables that are correlated with length of stay, namely primary diagnosis, secondary diagnosis, age, primary operational procedure, secondary operational procedure, and special services used. For each independent variable, the procedure determined the total number of observations with valid values in the dataset, the total number of different values the variable assumed (i.e. number of categories or cells), the number of groups formed, the total sum of squares and the reduction in total sum of squares attained by such a grouping. On the basis of these results the clinican had to select the most appropriate variable for a division.

The interpretation of the partitioning suggested by the algorithm is a complex task. Many factors must be examined and weighed simultaneously. The decision to accept, to reject or possibly to revise the recommended partitioning is a balance between statistical and medical knowledge. In performing his analysis, the clinician examined the statistical results in light of certain criteria. Variables yielding the highest percentage reduction in variance were prime candidates for dividing the dataset. However, the number of cells or values for those variables and the number of groups formed were also considered. It is an artifact of the algorithm that many partitions can be created when the independent variable has a wide range of values. Moreover, too many groups formed at the first split become difficult to manage and are of questionable significance. To determine whether in fact groups formed by the partitioning were significantly different, the clinician in some cases applied additional tests. Moreover, groups were further examined in a more descriptive framework to determine if the statistical significance was supported by medical significance.

Groups were generated based on the most appropriate variable as suggested by results of the clustering algorithm. This variable met as many of the criteria specified above as possible. That is, it 1) exhibited a significant reduction in variance relative to most of the other variables, 2) created a manageable number of groups based on a relatively small number of cells, and 3) created groups whose means were significantly different. Also, groups formed were medically meaningful. That is, when the first listed diagnosis (dx1) and another variable were found to have the same properties in terms of initially dividing the dataset, dx1 was selected.

It was found that in some cases, the presence or absence of the variable provided a significant division of the dataset. For example, if the first listed operation or second listed diagnosis was chosen as the most likely variable for the first subset formation, two groups were first arranged based on the presence or absence of the variable. These groups were in turn reclassified utilizing specific values of that variable.

Once the dataset was split into medically meaningful groups, a decision was made whether or not to reclassify them or to end the subdividing process by treating them as groups. A CLASSIFY was re-executed only when the group was large enough to merit another classification, had a large standard deviation relative to the mean, and could be further subdivided according to the criteria listed previously for generating new groups.

Histograms were generated of prospective groups and used to remove records not considered a part of that group's distribution. Moreover, appropriate statistical tests were applied to determine that the groups were significantly different.

It should be emphasized that the classification of patient records into diagnosis related groups is a constantly evolving process. In fact, the grouping structure documented in this manual represents the second classification scheme developed using the methodology described above. It is to some extent dependent on the original database on which the groups were constructed and the decisions of the physician who interacted with the system. Thus, users analyzing their own data within this framework may decide alternative definitions are more meaningful and significant. Currently, this classification is being evaluated on several other large (over 50,000 records) data files. As coding schemes change and data more representative of acute care institutions in the United States are collected, these groups will be reexamined and revised accordingly.

Appendix A

Major Diagnostic Categories

A.1 List of Major Diagnostic Categories

I.C. No.	Initial Group Name	PAS Group No.	ICOA8 Codes	HICOA Codes	NICDA2 Codes	AUTOGRP Groups
1	Infectious Diseases	1-8,10-17	000-0689,071-1360	001-0689,071-1360	001-0689,071-1360	1-6
2	Malignant Neoplasm of Digestive System	18-23	140-1590	1400-1590	140-1590	7-11
3	Malignant Neoplasm of Respiratory System	24-25	160-1639	1600-1639	160-1639	12-16
4	Malignant Neoplasm of Skin	27	172-1739	1720-1739	172-1739	17-20
5	Malignant Neoplasm of Breast	28	174-1740	1740-1742	174-1742	21-24
6	Malignant Neoplasm of Female Genital Organ	29-33	180-1849,2340,6211 6291	1800-1849,6211,6291	180-1849	25-30
7	Malignant Neoplasm of Male Genital Organ	34,35	185-1879	185-1850,186-1879	185-1879	31-34
8	Malignant Neoplasm of Urinary System	36,37	188-1899	188-1899	188-1899	35-38
9	Malignant Neoplasm of Other and Unspecified Sites	26,38-42	170-1719,190-1991	1700-1719,190-1951, 1959-1990	170-1719,190-1990	39-44
10	Neoplasm of Lymphatic and Hemopoietic Tissue	43-46	200-2090	2000-2090,2790	200-2090	45-52
11	Benign Neoplasm of Female Genital Organ	53-56	218-2219	218-2219	218-2219	53-59
12	Benign Neoplasm of Other Sites	47-51,58-62, 64-65	210-2169,222-2330, 2341-2399,2552, 7434,7571	2100-2169,222-2259, 2260-2264,2266-2399, 7434,7571	210-2169,2220-2221, 2228-2264,2266-2399	60-68
13	Diseases of Thyroid and Other Endocrine Glands	63,66,70,71	240-2460,251-2551, 2559-2589	2265,2400-2460,2510-2589,1952	240-2460,251-2589, 2265	69-72
14	Diabetes	67-69	250-2509	2500-2509	250-2507	73-77
15	Nutritional and Other Metabolic Diseases	72-75	260-2790	2600-2789,2799	260-2790	78-81
16	Diseases of Blood and Blood Forming Organs	76-80	280-2890,2894-2899, 6345	2800-2890,2894-2899, 6346	280-2899	82-87
17	Psychoses Not Attributed to Physical Conditions	86-92	295-2990	3060-3099	306-3099	88-90
18	Neuroses	93-95	300-3029	3100-3129,3193	310-3129	91-92
19	Alcoholic Mental Disorder and Addiction	84,96,97	291-2919,303-3039	3020-3039,3130-3139	302-3029,313-3139	93-94
20	Other Mental Disorders	81-83,85,98-103	290-2901,292-2949, 304-3159	2900-3019,3040-3059, 3140-3189	290-2959,296-3019, 303-3059,314-3189	95-96
21	Diseases of Central Nervous System	104-108	320-3499	3200-3240,3300-3339, 340-3499	320-3499	97-101
22	Diseases of Peripheral Nervous System	109-110	350-3580,3589	350-3580,3589	350-3589	102-106
23	Diseases of Eye	111-121	360-3789	360-3789	360-3789	107-111
24	Diseases of Ear and Mastoid Process	122-125	380-3879	380-3879	380-3892	112-116
25	Hypertensive Heart Diseases	128,129	400-4040	400-4050	400-4050	117-120
26	Acute Myocardial Infarction	130	410-4109	4100-4109	410-4109	121
27	Ischemic Heart Diseases Except AMI	131,132	411-4149	411-4140	411-4140	122-127
28	Arrythmia and Slowed Conduction	133	3581,4272-4279	3581,4272-4279	415-4169	128-131
29	Heart Failure	135	4270-4271,7824	4270-4271	427-4279	132-133
30	Carditis, Valvular, and Other Diseases	126,127,134,136	390-3980,420-4260, 428-4299	390-3980,420-4260, 428-4299	390-3980,420-4269 429-4299	134-138
31	Cerebrovascular Diseases	137-141	430-4389	4300-4389	430-4389	139-145
32	Diseases of Vascular System	142-147,150, 152-154	2891-2893,440-4431, 4438-4480,452-4549, 456-4589	4400-4431,4438-4480, 452-4549,4560-4589, 2891-2893	440-4489,452-4549, 456-4589	146-153
33	Pulmonary Emboliam	148	450-4500	450-4500	450-4500	154-155
34	Phlebitis and Thrombophlebitis	149	451-4519	4510-4519	451-4519	156-157
35	Hemorrhoids	151	455-4550	455-4550	455-4559	158
36	Hypertrophy of Tonsil and Adenoid	163	500-5000	500-5000	500-5000	159
37	Acute URI and Influenza	155,156	460-4650,470-4740	460-4650,470-4700	460-4650,470-4700	160-161
38	Other Diseases of Upper Respiratory Tract	164-167	501-5089	501-5089	501-5089	162-164
39	Pneumonia	157	480-4860	480-4860	480-4860	165-168
40	Bronchitis	158,159	466-4660,490-4910	489-4910	489-4919	169-171
41	Asthma	161	493-4930	4930-4939	493-4939	172-174
42	Other Lung and Pleural Diseases	160,162,168,169	492-4920,510-5199	492-4920,510-5199	492-4920,494-4960, 510-5199	175-180
43	Diseases of Oral Cavity, Salivary Glands and Jaws	170	520-5299	5200-5207,5209-5269	520-5299	181-182
44	Gastric and Peptic Ulcer	172-175	531-5349	5310-5343	531-5343	183-187
45	Upper GI Diseases Except Gastric and Peptic Ulcer	171,176,177	530-5309,535-5379	5270-5309,535-5379	530-5309,535-5379	188-192
46	Appendicitis	178-180	540-5430	5400-5430	540-5430	193-196

I.G. No.	Initial Group Name	PAS Group No.	ICDA8 Codes	HICDA Codes	HICDA2 Codes	AUTOGRP Groups
47	Hernia of Abdominal Cavity	181-184	550-5539	550-5539	550-5539	197-205
48	Entritis, Diverticula, and Functional Disorder of Intestine	185,186	561-5649	561-5649	561-5649	206-210
49	Diseases of Anus	187,253	565-5660,685-6850	5650-5660,685-6850	565-5660,685-6850	211-212
50	Miscellaneous Diseases of Intestine and Peritoneum	188	560-5609,567-5699	560-5609,567-5699	560-5609,567-5699	213-220
51	Diseases of Liver	9,189,190	070-0700,9992,570-5739	070-0700,9992,570-5739, 7921	070-0709,570-5739	221-224
52	Diseases of Gall Bladder and Bile Duct	191,192	574-5769	574-5769	574-5769	225-229
53	Diseases of Pancreas	193	577-5779	5770-5779	577-5779	230-231
54	Diseases of Kidney and Ureter	194-197,200	580-5910,593-5935,792-7920	580-5910,593-5935,7920	580-5910,593-5939	232-238
55	Urinary Calculus	198,199,201	592-5920,594-5940	5920-5921,5940-5949	592-5921,594-5949	239-242
56	Cystitis and Other Urinary Diseases	202-204	595-5999	595-5999	595-5999	243-250
57	Diseases of Prostate	206,57,205	600-6020	600-6029	2222,600-6029	251-256
58	Diseases of Male Genital Organs	207-210	603-6050,607-6079	603-6050,6070-6079	603-6079	257-260
59	Diseases of Female Genital Organs	213-220	612-6210,6212-6270, 6290,6292,6294, 6296-6299	612-6210,6212-6270, 6290,6292,6294, 6296-6299	612-6299	261-266
60	Diseases of Breast	52,212,211	217-2170,610-6119	217-2170,610-6119	217-2179,610-6119	267-270
61	Abortion	228-231	640-6459	640-6439,646-6460	640-6469	271-272
62	Obstetrical Diseases of Antepartum and Puerperium	221-227,250	630-6344,6346-6399, 670-6730,6739-6780	6300-6329,6340-6345, 6347-6359,637-6399, 670-6780	631-6399,670-6789	273-277
63	Normal Delivery	232	650-6500	650-6500	650-6500	278-280
64	Delivery with Complication	233-249	651-6620,6731	6510-6619	651-6649	281-282
65	Diseases of Skin and Subcutaneous Tissue	251,252,254-255	680-6840,686-7099	680-6840,6860-6869, 690-7099	680-6840,686-7099	283-289
66	Arthritis	256-258	710-7150	710-7150	710-7150	290-294
67	Derangement and Displacement of Intervertebral Disc	265,266	725-7259	7250-7259	725-7259	295-296
68	Diseases of Bone and Cartilage	261-264	7171-7180,720-7249	7171-7180,7200-7249	7171-7180,720-7249	297-301
69	Other Diseases of Musculo-Skeletal System	259,260,267, 268-271	716-7170,726-7389	7160-7161,7190-7199, 726-7260,727-7279, 7281-7286,7298-7390	716-7169,719-7199, 726-7390	302-308
70	Congenital Anomalies	272-282	740-7433,7438-7570, 7572-7599	740-7433,7438-7570, 7572-7599	740-7599	309-317
71	Normal Mature Born	342,343	Y20-Y209,Y22-Y239, Y26-Y279	Y200-Y209	Y20-Y209,Y22-Y229 Y24-Y249	318
72	Certain Diseases and Conditions Peculiar to Newborn Infants	283,344-349	Y21-Y219,Y24-Y259, Y28-Y299,Y005,760-7799	7720-7769,7770,7771-7789,Y210-Y320,Y005 Y60-Y699	Y21-Y219,Y23-Y239 Y25-Y299,Y40-Y489, 760-7689	319-321
73	Symptoms and Signs Referable to Nervous, Respiratory, and Circulatory Systems	284-287	4432,780-7808,7814-7815,7817-7823,7825-7834,7836-7837	7800-7808,7814-7815, 7817-7834,7836-7838, 4432	770-7709,773-7769, 778-7799	322-326
74	Symptoms and Signs Referable to GI and Urinary System	288-290	784-7865	7840-7865	780-7839	327-330
75	Miscellaneous Signs, Symptoms, and Ill-defined Conditions	291-295	606-6060,628-6280,6293 6295,7810-7813,7816, 7835,7866-7889,790-7910, 793-7969	5208,6060-6069,6280-6289,6293,6295,7170, 7280,7287,7810-7813, 7816,7835,7866-7889, 7900-7910, 7930-7969	771-7728,777-7779, 784-7969	331-335
76	Fractures	296-310	800-8299	8000-8290	800-8299	336-348
77	Dislocation and Other Musculo-Skeletal Injury	311-316	830-8480	8300-8489	830-8489	349-353
78	Internal Injury of Cranium, Chest, and Other Organs	317-320,326,332	850-8699,950-9599, 9953,9954	8500-8549,8600-8699, 9953,9500-9599	850-8699,900-9049, 950-9599	354-359
79	Open Wound and Superficial Injury	321-325,327-330	870-9190,996-9969	8700-8979,9100-9391	870-8979,910-9391	360-366
80	Burn	331	940-9499	9400-9499	940-9498	367-368
81	Complication of Surgical and Medical Care	338,339	997-9991,9993-9999	9960-9991,9993-9999	996-9999	369-373
82	Adverse Effects of a Certain Substance	333-337	960-9952,9955-9959	9600-9952,9955-9959	960-9959	374-377
83	Special Admissions and Examinations Without Reported Diagnosis	340,341	Y00-Y004,Y006-Y159 379-3793,388-3899, 789-7899	Y000-Y004,Y006-Y179, 3190-3192,3199,3790-3791,388-3899,7890-7899,7970-7974	Y00-Y199,Y50-Y869	378-383

A.2 Indices of Major Diagnostic Categories

DIAGNOSIS CODE	MAJOR CATEGORY
Y000-Y004	93
Y005	72
Y006-Y130	93
Y20 -Y209	71
Y21 -Y219	72
Y22 -Y239	71
Y24 -Y259	72
Y26 -Y279	71
Y28 -Y299	72
000 -0689	1
070 -0700	51
071 -1360	1
140 -1590	2
160 -1639	3
170 -1719	9
172 -1739	4
174 -1740	5
180 -1849	6
185 -1879	7
188 -1899	8
190 -1991	9
200 -2090	10
210 -2169	12
217 -2170	60
218 -2219	11
222 -2330	12
2340	6
2341-2399	12
240 -2460	13
250 -2509	14
251 -2551	13
2552	12
2559-2589	13
260 -2790	15
280 -2890	16
2891-2893	32
2894-2899	16
290 -2901	20
291 -2919	19
292 -2949	20
295 -2990	17
300 -3029	18
303 -3039	19
304 -3159	20
320 -3499	21
350 -3580	22
3581	28
3589	22
360 -3789	23
379 -3793	83
380 -3879	24
388 -3899	83
390 -3980	30
400 -4040	25
410 -4109	26
411 -4149	27
420 -4260	30
4270-4271	29
4272-4279	28
428 -4299	30
430 -4389	31
440 -4431	32
4432	73
4438-4480	32
450 -4500	33
451 -4519	34
452 -4549	32
455 -4550	35
456 -4589	32
460 -4650	37
466 -4660	40
470 -4740	37
480 -4860	39
490 -4910	40
492 -4920	42
493 -4930	41
500 -5000	36
501 -5089	38
510 -5199	42
520 -5299	43
530 -5309	45
531 -5349	44
535 -5379	45
540 -5430	46
550 -5539	47
560 -5609	50
561 -5649	48
565 -5660	49
567 -5699	50
570 -5739	51
574 -5769	52
577 -5779	53
580 -5910	54
592 -5920	55
593 -5935	54
594 -5940	55
595 -5999	56
600 -6020	57
603 -6050	58
606 -6060	75
607 -6079	58
610 -6119	60
612 -6210	59
6211	6
6212-6270	59
628 -6280	75
6290	59
6291	6
6292	59
6293	75
6294	59
6295	75
6296-6299	59
630 -6344	62
6345	16
6346-6399	62
640 -6459	61
650 -6500	63
651 -6620	64
670 -6730	62
6731	64
6739-6780	62
680 -6840	65
685 -6850	49
686 -7099	65
710 -7150	66
716 -7170	69
7171-7249	68
725 -7259	67
726 -7389	69
740 -7433	70
7434	12
7438-7570	70
7571	12
7572-7599	70
760 -7799	72
780 -7808	73
7810-7813	75
7814-7815	73
7816	75
7817-7823	73
7824	29
7825-7834	73
7835	75
7836-7837	73
784 -7865	74
7866-7889	75
789 -7899	83
790 -7910	75
792 -7920	54
793 -7969	75
800 -8299	76
830 -8480	77
850 -8699	78
870 -9390	79
940 -9499	80
950 -9599	78
960 -9952	82
9953-9954	78
9955-9959	82
996 -9969	79
997 -9991	81
9992	51
9993-9999	81

Index of Major Diagnostic Categories
by ICDA8 Primary Diagnosis Codes

DIAGNOSIS CODE	MAJOR CATEGORY
0010-0689	1
0700	51
0710-1360	1
1400-1590	2
1600-1639	3
1700-1719	9
1720-1739	4
1740-1742	5
1800-1849	6
1850-1879	7
1880-1899	8
1900-1951	9
1952	13
1959-1990	9
2000-2090	10
2100-2169	12
2170	60
2180-2219	11
2220-2264	12
2265	13
2266-2399	12
2400-2460	13
2500-2509	14
2510-2589	13
2600-2789	15
2790	10
2799	15
2800-2890	16
2891-2893	32
2894-2899	16
2900-3019	20
3020-3039	19
3040-3059	20
3060-3099	17
3100-3129	18
3130-3139	19
3140-3189	20
3190-3192	83
3193	18
3199	83
3200-3499	21
3500-3580	22
3581	28
3589	22
3600-3789	23
3790-3791	83
3800-3879	24
3880-3899	83
3900-3980	30
4000-4050	25
4100-4109	26
4110-4140	27
4200-4260	30
4270-4271	29
4272-4279	28
4280-4299	30
4300-4389	31

DIAGNOSIS CODE	MAJOR CATEGORY
4400-4431	32
4432	73
4433-4480	32
4500	33
4510-4519	34
4520-4549	32
4550	35
4560-4589	32
4600-4700	37
4800-4860	39
4890-4910	40
4920	42
4930-4939	41
5000	36
5010-5089	38
5100-5199	42
5200-5207	43
5208	75
5209-5269	43
5270-5309	45
5310-5343	44
5350-5379	45
5400-5430	46
5500-5539	47
5600-5609	50
5610-5649	48
5650-5660	49
5670-5699	50
5700-5739	51
5740-5769	52
5770-5779	53
5800-5910	54
5920-5921	55
5930-5935	54
5940-5949	55
5950-5999	56
6000-6029	57
6030-6050	58
6060-6069	75
6070-6079	58
6100-6119	60
6120-6210	59
6211	6
6212-6270	59
6280-6289	75
6290	59
6291	6
6292	59
6293	75
6294	59
6295	75
6296-6299	59
6300-6345	62
6346	16
6347-6399	62
6400-6460	61
6500	63

DIAGNOSIS CODE	MAJOR CATEGORY
6510-6619	64
6700-6780	62
6800-6840	65
6850	49
6860-7099	65
7100-7150	66
7160-7161	69
7170	75
7171-7180	68
7190-7199	69
7200-7249	68
7250-7259	67
7260-7279	69
7280	75
7281-7286	69
7287	75
7288-7390	69
7400-7433	70
7434	12
7438-7570	70
7571	12
7572-7599	70
7720-7789	72
7800-7808	73
7810-7813	75
7814-7815	73
7816	75
7817-7834	73
7835	75
7836-7838	73
7840-7865	74
7866-7889	75
7890-7899	93
7900-7910	75
7920	54
7921	51
7930-7969	75
7970-7974	83
8000-8290	76
8300-8489	77
8500-8699	78
8700-9391	79
9400-9499	80
9500-9599	78
9600-9952	82
9953	78
9955-9959	82
9960-9991	81
9992	51
9993-9999	81
Y000-Y004	83
Y005	72
Y006-Y179	83
Y200-Y209	71
Y210-Y320	72
Y600-Y699	72

Index of Major Diagnostic Categories
by HICDA Primary Diagnosis Codes

DIAGNOSIS CODE	MAJOR CATEGORY
Y00 -Y199	83
Y20 -Y209	71
Y21 -Y219	72
Y22 -Y229	71
Y23 -Y239	72
Y24 -Y249	71
Y25 -Y299	72
Y40 -Y489	72
Y50 -Y869	83
001 -0689	1
070 -0709	51
071 -1360	1
140 -1590	2
160 -1639	3
170 -1719	9
172 -1739	4
174 -1742	5
180 -1849	6
185 -1879	7
188 -1899	8
190 -1990	9
200 -2090	10
210 -2169	12
217 -2179	60
218 -2219	11
2220-2221	12
2222	57
2228-2264	12
2265	13
2266-2399	12
240 -2460	13
250 -2507	14
251 -2589	13
260 -2790	15
280 -2899	16
290 -3019	20
302 -3029	19
303 -3059	20
306 -3099	17
310 -3129	18
313 -3139	19
314 -3189	20
320 -3499	21
350 -3589	22
360 -3789	23
380 -3892	24
390 -3980	30
400 -4050	25
410 -4109	26
411 -4140	27
415 -4169	28
420 -4269	30
427 -4279	29
429 -4299	30
430 -4389	31
440 -4489	32
450 -4500	33
451 -4519	34
452 -4549	32
455 -4559	35
456 -4589	32
460 -4700	37
480 -4860	39
489 -4919	40
492 -4920	42
493 -4939	41
494 -4960	42
500 -5000	36
501 -5089	38
510 -5199	42
520 -5299	43
530 -5309	45
531 -5343	44
535 -5379	45
540 -5430	46
550 -5539	47
560 -5609	50
561 -5649	48
565 -5660	49
567 -5699	50
570 -5739	51
574 -5769	52
577 -5779	53
580 -5910	54
592 -5921	55
593 -5939	54
594 -5949	55
595 -5999	56
600 -6029	57
603 -6079	58
610 -6119	60
612 -6299	59
631 -6399	62
640 -6469	61
650 -6500	63
651 -6649	64
670 -6789	62
680 -6840	65
685 -6850	49
696 -7099	65
710 -7150	66
716 -7169	69
7171-7180	68
719 -7199	69
720 -7249	68
725 -7259	67
726 -7390	69
740 -7599	70
760 -7689	72
770 -7709	73
771 -7728	75
773 -7769	73
777 -7779	75
778 -7799	73
780 -7839	74
784 -7969	75
800 -8290	76
830 -8489	77
850 -8699	78
870 -8979	79
900 -9049	78
910 -9391	79
940 -9498	80
950 -9599	78
960 -9959	82
996 -9999	81

Index of Major Diagnostic Categories
by HICDA2 Primary Diagnosis Codes

Appendix B

Diagnosis Related Groups (DRGs)

Each of the 383 Diagnosis Related Groups (DRGs) which resulted from the grouping process described in Section 2.0 is defined by some set of the following patient attributes: primary diagnosis, secondary diagnosis, primary surgical procedure,* secondary surgical procedure,* age, and the presence or absence of psychiatric service. A list of these groups with their assigned AUTOGRP codes appears in Appendix B.1. Since MADOC data do not include major resource consumption variables such as secondary diagnosis, secondary surgical procedure and special services, some adjustments were made to the classification scheme before applying it to these databases (see below - Special Considerations for MADOC Data). These revisions are incorporated in the List of 380 Diagnosis Related Groups for MADOC Databases, which appears in Appendix B.2.

AUTOGRP codes contain up to 12 characters. Each successive pair of characters represents a decision in the subdivision process. The first pair corresponds to the Major Diagnostic Category (01-83). Further divisions can be interpreted from the pairs as follows:

D1-Dn	indicates a split on primary diagnosis
X1-Xn	indicates a split on secondary diagnosis
P1-Pn	indicates a split on primary surgical procedure
YS,NS	surgery (YS) or no surgery (NS)
YG,NG	secondary surgery (YG) or no secondary surgery (NG)
YD,ND	secondary diagnosis (YD) or no secondary diagnosis (ND)
A1-An	indicates a split on age
S1-Sn	indicates a split on special service

Special Considerations for MADOC Data

MADOC datasets do not include major resource consumption variables such as second listed diagnosis, second listed surgery, and special services, which are required in defining certain final groups. They do indicate, however, the presence or absence of secondary diagnosis. Some adjustments are therefore required when applying the classification scheme to MADOC datasets.

---

*The three disease classification systems ICDA8, HICDA and HICDA2 record operational procedures using 3 digit codes. These procedure codes cover not only surgeries performed but also some therapies as well. For ICDA8, the ranges of codes which reflect actual surgery are 010-999 and A10-A59. Correspondingly, for HICDA, the valid surgical code range is 010-929 and for HICDA2, 010-929 and 933-936. In constructing the classification scheme, only codes within these ranges were considered valid surgical procedures.

Whenever secondary diagnosis is used as a grouping variable it is split into two groups designated X1 and X2. X1 is consistently defined to be "no or minor secondary diagnosis" and X2 as "all others". When the scheme is applied to MADOC data, patients with no secondary diagnosis are mapped into group X1 and those with any secondary diagnosis are mapped into group X2. Corresponding final group titles and codes are also changed to reflect the regrouping (see Appendix B.2). The following initial groups are affected by this adjustment: 14,16,19,25,27,28,30,31,32,33,34,40,42, and 51. In initial group 27, type of secondary diagnosis is required in the formation of its final groups. For MADOC datasets, these two groups are collapsed to form one group based on the presence of secondary diagnosis.

Terminal groups are also collapsed in initial categories 11 and 17 where knowledge of the presence or absence of secondary operational procedure and the presence or absence of psychiatric service, respectively, is required.

The ICDA8 grouping program was revised according to the above considerations to process MADOC databases. A source listing of this program appears in Appendix E.4.

B.1 List of 383 Diagnosis Related Groups with Corresponding AUTOGRP Codes

1	01d1a1	enteritis diarrheal dis of age<16
2	01d1a2	enteritis diarrheal dis of age>15
3	01d2nd	venereal dis,viral origin dis(aseptic meningitis,wart,oth)wo dx2
4	01d2yd	venereal dis,viral origin dis(aseptic meningitis,wart,oth) w dx2
5	01d3ns	septicemia tbc sarcoidosis salmonella infectn wo oper
6	01d3ys	septicemia tbc sarcoidosis salmonella infectn w oper
7	02nsd1	ca of oral cavty,colon,gallbldr wo oper
8	02nsd2	ca of g-i syst except oral cavty,colon,gallbldr wo oper
9	02ysp1nd	ca of g-i syst w biopsy,endoscpy,local excsn,oth minor oper wo dx2
10	02ysp1yd	ca of g-i syst w biopsy,endoscpy,local excsn,oth minor oper w dx2
11	02ysp2	ca of g-i syst w explr laprtmy,resectn intestin,oth major oper
12	03nsnd	ca of resp syst wo oper wo dx2
13	03nsyd	ca of resp syst wo oper w dx2
14	03ysp1nd	ca of resp syst w biopsy,endoscpy,oth minor oper wo dx2
15	03ysp1yd	ca of resp syst w biopsy,endoscpy,oth minor oper w dx2
16	03ysp2	ca of resp syst w lobectmy,pneumonectmy,oth major oper
17	04d1nd	ca of skin except malig melanoma wo dx2
18	04d1yd	ca of skin except malig melanoma w dx2
19	04d2nd	malig melanoma wo dx2
20	04d2yd	malig melanoma w dx2
21	05nsa1	ca of breast wo oper of age<63
22	05nsa2	ca of breast wo oper of age>62
23	05ysnd	ca of breast w oper wo dx2
24	05ysyd	ca of breast w oper w dx2
25	06nsnd	ca of female genitl org wo oper wo dx2
26	06nsyd	ca of female genitl org wo oper w dx2
27	06ysp1nd	ca of female genitl org w biopsy,local excisn,oth minor oper wo dx2
28	06ysp1yd	ca of female genitl org w biopsy,local excisn,oth minor oper w dx2
29	06ysp2d1	ca of uterus-corpus w (histrectmy,explr laparotomy,oth major oper
30	06ysp2d2	ca of uterus-cervix ovary w histrectmy oth major oper
31	07ns	ca of male genitl org wo oper
32	07ysp1nd	ca of male genitl org w biopsy,cystoscpy,orchiectmy wo dx2
33	07ysp1yd	ca of male genitl org w biopsy,cystoscpy,orchiectmy w dx2
34	07ysp2	ca of male genitl org w prostectmy,oth major oper
35	08ns	ca of urinary syst wo oper
36	08ysp1nd	ca of urinary syst w cystoscpy,local excisn,oth minor oper wo dx2
37	08ysp1yd	ca of urinary syst w cystoscpy,local excisn,oth minor oper w dx2
38	08ysp2	ca of urinary syst w nephrectmy,cystectmy,oth major oper
39	09nsd1	ca of bone,thyroid,conn tissue,nerves wo oper
40	09nsd2nd	ca of brain, secondary ca,multipl ca wo oper wo dx2
41	09nsd2yd	ca of brain,secondary ca,multipl ca wo oper w dx2
42	09ysp1d1	ca of thyroid,conn tissue,nerves w biopsy,excisn,oth minor oper
43	09ysp1d2	secondary ca,multipl ca w biopsy,excisn,oth minor oper
44	09ysp2	ca of bone,conn tissue,nerves,secondary ca,multipl ca w major oper
45	10a1nd	neopl of lymphatic,hemopoietic tissue of age<16 wo dx2
46	10a1yd	neopl of lymphatic,hemopoietic tissue of age<16 w dx2
47	10a2nsd1nd	hodgkins dis,reticulm-cell sarcma wo oper of age>15 wo dx2
48	10a2nsd1yd	hodgkins dis,reticulm-cell,sarcma wo oper of age>15 w dx2
49	10a2nsd2	multipl myeloma,leukemia(lymph,myeloid,mono)wo oper of age>15
50	10a2ysp1nd	neopl of lymptic,hematopoietic tiss w minor oper of age>15 wo dx2
51	10a2ysp1yd	neopl of lymptic hematopoietic tiss w minor oper of age>15 w dx2
52	10a2ysp2	neopl of lymptic,hematopoietic tiss w major oper of age>15
53	11d1nd	ben neopl of uterus(papiloma,polyp),vagina,vulva wo dx2
54	11d1yd	ben neopl of uterus(papilloma,polyp),vagina,vulva w dx2
55	11d2ns	ben neopl of uterus(fibroma),ovary wo oper
56	11d2ysp1ns	ben neopl of uterus(fibroma),ovary w d&c,excisn uterus wo oper2
57	11d2ysp1ys	ben neopl of uterus(fibroma),ovary w d&c excisn uterus w oper2
58	11d2ysp2	ben neopl of uterus(fibroma),ovary w oophorectmy,hysteromyomectmy
59	11d2ysp3	ben neopl of uterus(fibroma),ovary w hysterectmy(abdminal vaginal)
60	12nsd1	ben neopl of intestin,urinary syst,lipoma,hemangioma wo oper
61	12nsd2	ben neopl of brain,pituitry gl,oth unspec wo oper

62	12ysd1nd	ben neopl of skin bone,urinary syst,conn tiss w oper wo dx2
63	12ysd1yda1	ben neopl of skin,bone,urinry syst,conn tis w oper w dx2 of age≤43
64	12ysd1yda2	ben neopl of skin,bone,urinry,syst,conn tis w oper w dx2 of age≥42
65	12ysd2p1nd	ben neopl of intestin nerves w excisn org,oth minor oper wo dx2
66	12ysd2p1yd	ben neopl of intestin,nerves w excisn org,oth minor oper w dx2
67	12ysd2p2	ben neopl of intestin,nerves w explr laplatmy,oth major oper
68	12ysd3	ben neopl of stomach,brain,resp syst,pituitary gl w oper
69	13nsd1	goiter(simpl,nontoxic),endoc dis(adrnl,oth minor) wo oper
70	13nsd2	goiter(toxic),thyrotoxicosis,myxedema,pituitary hypofunctn wo oper
71	13ysp1	endocrine disorder w thyroidectmy,oth minor oper
72	13ysp2	endocrine disorder w hypophysectmy,parathyroidectmy oth major oper
73	14nsx1a1	diabetes of age≤36 wo oper wo dx2 or w minor dx2
74	14nsx1a2	diabetes of age≥35 wo oper wo dx2 or w minor dx2
75	14nsx2	diabetes wo oper w major dx2
76	14ysp1	diabetes w endoscpy,biopsy,photocoagulatn retina,oth minor oper
77	14ysp2	diabetes w amputatn extremity,oth major oper
78	15d1nd	metabolic dis of gout,globulinopathy,xanthomatosis wo dx2
79	15d1yd	metabolic dis of gout,globulinopathy,xanthomatosis w dx2
80	15d2	metabolic dis of cystic fibrosis,sprue,steatorrhea,oth & unspec
81	15d3	metabolic dis of unspec obesity,amyloidosis hepatolenticular degn
82	16nsx1d1a1	mediter anemia,hemophilia of age≤11 wo oper wo dx2 or minor dx2
83	16nsx1d1a2	mediter anemia,hemophilia of age≥10 wo oper wo dx2 or w minor dx2
84	16nsx1d2	hemoglobinopathy,thrombocytopenia wo oper wo dx2 or w minor dx2
85	16nsx2	dis of blood & blood forming org wo oper w major dx2
86	16ysa1	dis of blood & blood forming org w oper of age 2-53
87	16ysa2	dis of blood & blood forming org w oper of age≤1 or age≥53
88	17d1s1	schizo(paranoid,catatonic,unspec),invol melancholia w psych serv
89	17d1s2	schizo(paranoid,catatonic,unspec),invol melancholia wo psych serv
90	17d2	schizo(affective,acute episode) manic-depressive psychosis
91	18d1	neuroses(anxiety,hysterical,phobic,hypochondriacal,unspec)
92	18d2	neuroses(obsessive-compulsive,depressive),personality disorders
93	19x1	alcoholism wo dx2 or w minor dx2
94	19x2	alcoholism w liver cirrhosis,delirium tremens or oth major dx2
95	20d1	drug dependence,phys dis presum psychogenic origin,cephalagia
96	20d2	psychosis,nonpsychosis related brain condition
97	21nsd1nd	epilepsy,migraine,brain dis(unspec)wo oper wo dx2
98	21nsd1yd	epilepsy,migraine,brain dis(unspec)wo oper w dx2
99	21nsd2	multipl sclerosis,paralysis agitans,meningitis,hemiplegia wo oper
100	21ysp1	dis of central nervous syst w minor oper
101	21ysp2	dis of central nervous syst w major oper
102	22nsd1	facial paralysis,neuralgia (trigeminal,oth unspec)wo oper
103	22nsd2	sciatica, polyneuritis wo oper
104	22ysd1	dis of median nerve w oper
105	22ysd2p1	dis of peripheral nerves except median w minor oper
106	22ysd2p2	dis of peripheral nerves except median w major oper
107	23nsd1	strabismus,cataract,chalazion wo oper
108	23nsd2	glaucoma,keratitis(ulceratn),dis(uvea,optic nerve,retina) wo oper
109	23ysp1	dis of eye w mymectmy,blepharorrhaphy,oth minor oper
110	23ysp2	dis of eye w extractn lens,sclerotmy,sclerectmy
111	23ysp3	dis of eye w reattachment of retina,keratoplasty
112	24nsd1	otitis media,chronic mastoiditis,otosclerosis wo oper
113	24nsd2	labyrinthitis,meniere's dis wo oper
114	24ysp1	dis of ear w myringotmy,adenoidectmy or oth minor oper
115	24ysp2	dis of ear w stapectmy,tympanoplasty
116	24ysp3	dis of ear w mastoidectmy, excisn middle ear,oth major oper
117	25nsx1	hypertensive heart dis wo oper wo dx2 or minor dx2
118	25nsx2d1	essential ben hypertension wo oper w major dx2
119	25nsx2d2	malig hypertensn,hypertensive dis(ht renal)wo oper w major dx2
120	25ys	hypertensive heart dis w oper
121	26	acute myocardial infarction
122	27nsnd	ischemic heart dis except ami wo oper wo dx2
123	27nsydx1	ischemic heart dis except ami wo oper w minor dx2
124	27nsydx2	ischemic heart dis except ami wo oper w major dx2
125	27ysp1	ischemic heart dis except ami w cardiac catheterization
126	27ysp2	ischemic heart dis except ami w endoscpy insertn of electr device
127	27ysp3	ischemic heart dis except ami w shunt oper,oth major oper
128	28nsx1	arrythmia & slowed conductn wo oper wo dx2 or w minor dx2
129	28nsx2	arrythmia & slowed conductn wo oper w major dx2
130	28ysp1	arrythmia & slowed conductn w replace ht device,ht cathetrizatn
131	28ysp2	arrythmia & slowed conductn w insertn of electric ht device

132	29ns	heart failure wo oper
133	29ys	heart failure w oper
134	30nsx1	carditis,valvular heart dis wo oper wo dx2 or w minor dx2
135	30nsx2	carditis,valvular heart dis wo oper w major dx2
136	30ysp1x1	carditis,valvular heart dis w ht cathetrizatn wo dx2 or minor dx2
137	30ysp1x2	carditis,valvular heart dis w ht cathetrizatn w major dx2
138	30ysp2	carditis,valvular heart dis w ht valve oper oth major oper
139	31nsd1x1	transient cerebral ischemia wo oper wo dx2 or w minor dx2
140	31nsd1x2	transient cerebral ischemia wo oper w major dx2
141	31nsd2x1	cerebral thrombo-embolism wo oper wo dx2 or w minor dx2
142	31nsd2x2	cerebral thrombo-embolism wo oper w major dx2
143	31nsd3x1	hemorrhage(cerebral,subarachnoid) wo oper wo dx2 or w minor dx2
144	31nsd3x2	hemorrhage(cerebral,subarachnoid) wo oper w major dx2
145	31ys	cerebrovascular diseases w oper
146	32nsd1	lymphadenitis,unspec varicose(lower ext),raynauds synd wo oper
147	32nsd2x1	arteriosclerosis,thrombo-embo(artery)wo oper wo dx2 or w minor dx2
148	32nsd2x2	arteriosclerosis,thrombo-embo(artery)wo oper w major dx2
149	32ysp1a1	dis of vascular syst w excisn varicose,oth minor oper of age<51
150	32ysp1a2	dis of vascular syst w excisn varicose,oth minor oper of age>50
151	32ysp2nd	dis of vascular syst w sympathectmy,excisn vessel wo dx2
152	32ysp2yd	dis of vascular syst w sympathectmy,excisn vessel w dx2
153	32ysp3	dis of vascular syst w reconstructn artery,amputatn extremity
154	33x1	pulmonary embolism wo dx2 or minor dx2
155	33x2	pulmonary embolism w major dx2
156	34x1	phlebitis & thrombophlebitis wo dx2 or w minor dx2
157	34x2	phlebitis & thrombophlebitis w major dx2
158	35	hemorrhoids
159	36	hypertrophy of tonsil & adenoid
160	37a1	acute uri & influenza of age<45
161	37a2	acute uri & influenza of age>44
162	38ns	dis of upper resp tract except acute uri & influenza wo oper
163	38ysp1	dis of upper resp tract w biopsy,endoscopy,sectn nasal septum
164	38ysp2	dis of upper resp tract w rhinoplasty,sinusotomy,plastic oper nose
165	39nsa1	pneumonia of age<31
166	39nsa2nd	pneumonia of age>30 wo dx2 wo oper
167	39nsa2yd	pneumonia of age>30 w dx2 wo oper
168	39ys	pneumonia w oper
169	40a1	bronchitis of age<46
170	40a2x1	bronchitis of age>45 wo dx2 or w minor dx2
171	40a2x2	bronchitis of age>45 w major dx2
172	41a1	asthma of age<31
173	41a2nd	asthma of age>30 wo dx2
174	41a2yd	asthma of age>30 w dx2
175	42nsd1	pneumothorax,pleurisy,pul congestn wo oper
176	42nsd2x1	emphysema,empyema,abscess,acute edema wo oper wo dx2 w minor dx2
177	42nsd2x2	emphysema,empyema,abscess,acute edema wo oper w major dx2
178	42ysp1nd	dis of lung & pleura w bronchoscopy,thoracotmy,oth min oper wo dx2
179	42ysp1yd	dis of lung & pleura w bronchoscopy,thoracotmy,oth minor oper w dx2
180	42ysp2	dis of lung & pleura w lobectomy,oth major oper
181	43d1	minor problems of teeth
182	43d2	major problems of teeth,dis(jaw,salivary gland,oth oral soft tiss)
183	44nsnd	gastric & peptic ulcer wo oper wo dx2
184	44nsyd	gastric & peptic ulcer wo oper w dx2
185	44ysp1	gastric & peptic ulcer w biopsy,endoscopy,entrorrhaphy,oth minor oper
186	44ysp2nd	gastric & peptic ulcer w gastric resectn,oth major oper wo dx2
187	44ysp2yd	gastric & peptic ulcer w gastric resectn,oth major oper w dx2
188	45nsnd	upper g-i dis except peptic ulcer wo oper wo dx2
189	45nsyd	upper g-i dis except peptic ulcer wo oper w dx2
190	45ysp1nd	upper g-i dis except peptic ulcer w endscpy,oth minor oper wo dx2
191	45ysp1yd	upper g-i dis except peptic ulcer w endscpy,oth minor oper w dx2
192	45ysp2	upper g-i dis except peptic ulcer w major oper
193	46d1nd	appendicitis(without peritonitis) wo dx2
194	46d1yd	appendicitis(without peritonitis) w dx2
195	46d2nd	appendicitis(with peritonitis,unqualified,oth) wo dx2
196	46d2yd	appendicitis(with peritonitis,unqualified,oth) w dx2
197	47a1	abd hernia of age<15
198	47a2d1nd	inguinal hernia (wo obstructn) of 14<age<65 wo dx2
199	47a2d1yd	inguinal hernia (wo obstructn) of 14<age<65 w dx2
200	47a2d2ns	abd hernia except simple inguinal of 14<age<65 wo oper

201	47a2d2ysp1	abd hernia except simple inguinal of 14<age<65 w minor repair oper
202	47a2d2ysp2	abd hernia except simple inguinal of 14<age<65 w major repair oper
203	47a3ns	abd hernia of age>64 wo oper
204	47a3ysp1	abd hernia of age>64 w minor repair oper
205	47a3ysp2	abd hernia of age>64 w major repair oper
206	48nsd1	functnal disorder intestine wo oper
207	48nsd2	intestin diverticula,regional enteritis,ulcerative colitis wo oper
208	48ysp1nd	intestin(diverticula,functnl disorder) w minor oper wo dx2
209	48ysp1yd	intestin(diverticula,functnl disorder) w minor oper w dx2
210	48ysp2	intestin(diverticula,functnl disorder) w resectn,oth major oper
211	49nd	dis of anus wo dx2
212	49yd	dis of anus w dx2
213	50nsa1	misc dis of intestn & peritoneum of age<56 wo oper
214	50nsa2nd	misc dis of intestn & peritoneum of age>55 wo oper wo dx2
215	50nsa2yd	misc dis of intestn & peritoneum of age>55 wo oper w dx2
216	50ysp1	misc dis of intestn & peritoneum w local incisn,excisn
217	50ysp2nd	misc dis of intestn & peritoneum w endoscopy of intestine wo dx2
218	50ysp2yd	misc dis of intestn & peritoneum w endoscopy of intestine w dx2
219	50ysp3nd	misc dis of intestn & peritoneum w major oper wo dx2
220	50ysp3yd	misc dis of intestn & peritoneum w major oper w dx2
221	51d1a1	hepatitis(infectious serum),subacute necrosis of liver of age<41
222	51d1a2	hepatitis(infectious serum),subacute necrosis of liver of age>40
223	51d2x1	liver cirrhosis wo dx2 or w minor dx2
224	51d21x2	liver cirrhosis w major dx2
225	52nsa1	dis of gall bladder & bile duct wo oper of age<51
226	52nsa2	dis of gall bladder & bile duct wo oper of age>50
227	52ysnd	dis of gall bladder & bile duct w oper wo dx2
228	52ysyda1	dis of gall bladder & bile duct w oper w dx2 of age<65
229	52ysyda2	dis of gall bladder & bile duct w oper w dx2 of age>64
230	53ns	dis of pancreas wo oper
231	53ys	dis of pancreas w oper
232	54nsnd	dis of kidney & bladder wo oper wo dx2
233	54nsydd1	nephritis(unqualified),pyelonephritis(oth) wo oper w dx2
234	54nsydd2a1	nephrotic synd,nephritis(chr),uremia wo oper w dx2 of age<65
235	54nsydd2a2	nephrotic synd, nephritis(chr),uremia wo oper w dx2 of age>64
236	54ysp1d1	dis of ureter,nephrotic synd w cystscpy,biopsy,oth minor oper
237	54ysp1d2	nephritis,nephrosis,pyelitis, w cystscpy,biopsy,oth minor oper
238	54ysp2	dis of kidney & ureter w nephrectmy,kid transplant,oth major oper
239	55nsnd	urinary calculus wo oper wo dx2
240	55nsyd	urinary calculus wo oper w dx2
241	55ysp1	urinary calculus w cystscpy,catheter to kidney,oth minor oper
242	55ysp2	urinary calculus w nephrotmy,cystotmy,ureterotmy,oth major oper
243	56nsnd	cystitis w oth urinary dis wo oper wo dx2
244	56nsydd1	cystitis,urethritis,stricture urethra wo oper w dx2
245	56nsydd2a1	bladder(fistula,diverticula,oth dis),wo oper w dx2 of age<46
246	56nsydd2a2	bladder(fistula,diverticula,oth dis)wo oper w dx2 of age>45
247	56ysp1	dis of bladder & urethra w meatotomy
248	56ysp2a1	dis of bladder & urethra w cystscpy,excisn,dil,repair of age<15
249	56ysp2a2	dis of bladder & urethra w cystscpy,excisn,dil,repair of age>14
250	56ysp3	dis of bladder & urethra w cystectmy,prostectmy,oth major oper
251	57ns	dis of prostate wo oper
252	57ysp1nd	dis of prostate w cystoscpy,dil urethra,biopsy wo dx2
253	57ysp1yd	dis of prostate w cystoscpy,dil urethra,biopsy w dx2
254	57ysp2nd	dis of prostate w transurethral prostectomy wo dx2
255	57ysp2yd	dis of prostate w transurethral prostectomy w dx2
256	57ysp3	dis of prostate w suprapubic prostectomy
257	58d1	redundant prepuce & phimosis
258	58d2ns	dis of male genital organ except phimosis wo oper
259	58d2ysa1	dis of male genital organ except phimosis w oper of age<45
260	58d2ysa2	dis of male genital organ except phimosis w oper of age>44
261	59nsd1	disorder of menstruation wo oper
262	59nsd2nd	dis of female gen org except disorder of menstruation wo dx2
263	59nsd2yd	dis of female gen org except disorder of menstruation w dx2
264	59ysp1nd	dis of female gen org w d&c,perineoscpy,salpingectmy wo dx2
265	59ysp1yd	dis of female gen org w d&c,perineoscpy,oth minor oper w dx2
266	59ysp2	dis of female gen org w hysterectmy,repair female gen org,major op
267	60ndd1	ben neopl,chr cystic dis of breast wo dx2
268	60ndd2	acute mastitis, hypertrophy of breast wo dx2
269	60yda1	dis of breast w dx2 of age <56

270	60yda2	dis of breast w dx2 of age>55
271	61nd	abortion wo dx2
272	61yd	abortion w dx2
273	62nsd1	false labor wo oper
274	62nsd2	threatened abortion,placenta previa,oth hemorr pregnancy wo oper
275	62nsd3	toxemia,hyperemesis gravidarum,thrombophlebitis(puerperal) wo oper
276	62ysp1	obst dis of antepartum & postpartum w d&c,repair int cervical os
277	62ysp2	obst dis of antepartum & postpartum w sal-oophrctmy,oth major oper
278	63p1	delivery wo oper or w oper assisting delivery
279	63p2	delivery w ligation of fallopian tube,salpingectomy
280	63p3	delivery with c-section
281	64p1	delivery with complication wo oper or w oper assisting delivery
282	64p2	delivery with complication w c-section
283	65d1nd	keloid,cicatrix,sebaceous cyst,oth minor skin dis wo dx2
284	65d1yd	keloid,cicatrix,sebaceous cyst,oth minor skin dis w dx2
285	65d2nsa1	cellulitis & abscess of skin,eczema,chr ulcer wo oper of age<21
286	65d2ysa2	cellulitis & abscess of skin,eczema,chr ulcer wo oper of age >20
287	65d2ysnd	cellulitis & abscess of skin,eczema,erythma conditn w oper wo dx2
288	65d2ysyd	cellulitis & abscess of skin,eczema,erythma conditn w oper w dx2
289	65d3	psoriasis, pemphigus, chr ulcer of skin
290	66nsa1	arthritis wo oper of age<65
291	66nsa2	arthritis wo oper of age>64
292	66ysp1	arthritis w excisn(bone,joint,synovium),arthrodesis
293	66ysp2	arthritis w arthrotomy,spinal fusn,excisn intervert cartilage
294	66ysp3	arthritis w repair & plastic oper(joint,hip) laminectomy
295	67ns	dearangement & displacement of intervertebral disc wo oper
296	67ys	dearangement & displacement of intervertebral disc w oper
297	68nsd1	rhematism,periostitis,oth minor bone dis wo oper
298	68nsd2	osteomyelitis (acute,chr),osteoporosis,spont fracture wo oper
299	68ysp1	dis of bone & cartilage w excisn semilunar cart, repair oth joint
300	68ysp2	dis of bone & cartilage w arthrotmy,excisn bone,fusn bone
301	68ysp3	dis of bone & cartilage w amputation,arthroplasty hip,oth major op
302	69nsd1	bunion,synvitis,bursitis,tenosynvitis,scliosis,deform foot wo oper
303	69nsd2nd	lumbalgia,diff dis of conn tiss,myositis wo oper wo dx2
304	69nsd2yd	lumbalgia,diff dis of conn tiss,myositis wo oper w dx2
305	69ysd1	synovitis,tendonitis,bursitis,deformity(finger,toe,palm) w oper
306	69ysd2p1	oth dis of musculoskeletal syst(major) w minor oper
307	69ysd2p2	oth dis of musculoskeletal syst(maj) w excisn,repair(sml jnt,bone)
308	69ysd2p3	oth dis of musculoskeletal syst(maj) w spinal fusn,oth major oper
309	70nsd1	osteogenesis imperfecta,pylofic stenosis,undesc testicle wo oper
310	70nsd2	congenital anomaly(heart,kidney,oth major) wo oper
311	70ysd1	cong anom(testicle,skin,pyloric stenosis,oth minor) w oper
312	70ysd2p1	cong anom of ht(valve,unspec)w ht catheterizatn
313	70ysd2p2	cong anom(palate,lip,hip,oth extr)w repair(lip,palate),arthrodesis
314	70ysd2p3	cong anom of ht(valve,unspec)w oper on ht(valve,septum)
315	70ysd3p1	asd,tof,pda,coa,hypospadia w cathrzn,repair urethra
316	70ysd3p2	asd,tof,pda,coa w oper on valve,septum,shunt
317	70ysd4	cong anom(spine,esophageal atresia,hirschsprung dis) w oper
318	71	normal mature born
319	72d1	well baby care,post maturity,oth minor dis or cond of newbrn infnt
320	72d2nd	immaturity,hyaline memb dis,oth major dis or cond of infant wo dx2
321	72d2yd	immaturity,hyaline memb dis,oth major dis or cond of infant w dx2
322	73nsnd	symptom or signs(nerve,resp,circul syst) wo oper wo dx2
323	73nsydd1	convulsion,syncope,epistaxis,chest pain wo oper w dx2
324	73nsydd2	vertigo,encephalopathy,dyspnea,hemoptysis wo oper w dx2
325	73ysp1	symptom or signs(nerve,resp,circul syst) w minor oper
326	73ysp2	symptom or signs(nerve,resp,circul syst) w major oper
327	74nsnd	symptom or signs(g-i,urinary syst) wo oper wo dx2
328	74nsyd	symptom or signs(g-i,urinary syst) wo oper w dx2
329	74ysp1	symptom or signs(g-i urinary syst) w endoscopy,oth minor oper
330	74ysp2	symptom or signs(g-i urinary syst) w expl laparotmy,oth major oper
331	75nsd1	sterility(male,female),admission for observ wo oper
332	75nsd2a1	electrlyt disor,hedache,pyrexia,oth ill-def symt wo oper of age<15
333	75nsd2a2	electrlyt disor,hedache,pyrexia,oth ill-def symt wo oper of age>14
334	75ysp1	misc symptoms or signs w perineoscopy,cystoscopy oth minor oper
335	75ysp2	misc symptoms or signs w hysterectomy,expl laparotmy,oth major oper
336	76nsd1a1	fx(skull,face,forearm,tibia,fibula,foot,hand) wo oper of age<30
337	76nsd1a2	fx(skull,face,forearm,tibia,fibula,foot,hand) wo oper of age>29
338	76nsd2a1	fx(spine,rib,humerus) wo oper of age<65
339	76nsd2a2	fx(spine,rib,humerus) wo oper of age>64

340	76nsd3	fx(femur,pelvis,multiple) wo oper
341	76ysp1d1nd	fx(nasal,forearm,hand,lower leg,foot) w close reductn wo dx2
342	76ysp1d1yd	fx(nasal,forearm,hand,lower leg,foot) w close reductn w dx2
343	76ysp1d2nd	fx(mandble,humerus,ankl)w cls reductn,open reductn for face wo dx2
344	76ysp1d2yd	fx(mandble,humerus,ankl)w cls reductn,open reductn for face w dx2
345	76ysp2d1	fx(arm,hand,foot,clavicle) w open reductn,ext fixatn,debridement
346	76ysp2d2	fx(ankle,tibia & fibula) w open reductn,ext fixatn,debridement
347	76ysp2d3	fx(femur,pelvis) w open reductn,ext fixatn,debridement
348	76ysp3	fx of bone w amputatn,arthroplasty of hip,oth major oper
349	77nsd1	dislocatn(shoulder,elbow,wrist,knee),sprains(ankl,foot,hand) wo op
350	77nsd2	dislocatn(jaw,hip),sprains(knee,sacroiliac,oth unspec)wo oper
351	77ysd1	dislocatn(shoulder,elbow,hand),sprains(elbow,wrist,hand) w oper
352	77ysd2	dislocatn(knee,ankle),sprains(shoulder,knee,ankle) w oper
353	77ysd3	dislocatn(hip,multiple),sprains(hip,sacroiliac,oth unspec) w oper
354	78nsa1nd	internal injury of cranium,oth org wo oper wo dx2 of age<41
355	78nsa1yd	internal injury of cranium,oth org wo oper w dx2 of age<41
356	78nsa2	internal injury of cranium,oth org wo oper of age>40
357	78ysp1	internal injury w suture(skin,nerve),neuroplasty,oth minor oper
358	78ysp2	internal injury w splenectmy,thoracotmy,pleurotmy,excisn skin
359	78ysp3	internal injury w craniotomy,expl laparotomy
360	79nsd1	open wound not complicated,superficial injury,foreign body wo oper
361	79nsd2nd	open wound complicated,contusn,multiple injury wo oper wo dx2
362	79nsd2yd	open wound complicated,contusn,multiple injury wo oper w dx2
363	79ysp1d1	open wound(extr),foreign body w endoscpy,suture,oth minor oper
364	79ysp1d2	open wound(compl,head,multiple) w endscpy,suture, oth minor oper
365	79ysp2d1	open wound(extr),superf injury w excisn,debridment, oth major oper
366	79ysp2d2	open wound(compl,body,multiple)w excisn,debridment,oth major oper
367	80d1	burn of 1st degr,2nd degr uncompl, less than 20% of body
368	80d2	burn of 2nd degr compl, 3rd degr, more than 20% of body
369	81nsnd	compl of surgical or medical care wo oper wo dx2
370	81nsyd	compl of surgical or medical care wo oper w dx2
371	81ysp1	compl of surgical or medical care w minor oper
372	81ysp2	compl of surgical or medical care w replace ht device,repair stoma
373	81ysp3	compl of surgical or medical care w revisn shunt,oth major oper
374	82d1nd	adverse effect of drug,toxic effect of alcohol wo dx2
375	82d1yd	adverse effect of drug,toxic effect of alcohol w dx2
376	82d2nd	toxic effect(lead,acid,alkali,carbon monoxide,radiation) wo dx2
377	82d2yd	toxic effect(lead,acid,alkali,carbon monoxide,radiation) w dx2
378	83nsd1	prenatal care,medical & surgical after care(dialysis) wo oper
379	83nsd2	admission(for sterilization,chemother,radiationther) wo oper
380	83nsd3	followup(ca),surg-med after care(colostomy,orthop,oth) wo oper
381	83ysp1	special admission w oper on sterilization or d&c
382	83ysp2	special admission w cystoscopy, removal of fix device(internal)
383	83ysp3	special admission w expl laparotmy,hysterectmy,oth major oper

B.2 List of 380 Diagnosis Related Groups for MADOC Databases with Corresponding AUTOGRP Codes

1	01d1a1	enteritis diarrheal dis of age<16
2	01d1a2	enteritis diarrheal dis of age>15
3	01d2nd	venereal dis,viral origin dis(aseptic meningitis,wart,oth)wo dx2
4	01d2yd	venereal dis,viral origin dis(aseptic meningitis,wart,oth) w dx2
5	01d3ns	septicemia tbc sarcoidosis salmonella infectn wo oper
6	01d3ys	septicemia tbc sarcoidosis salmonella infectn w oper
7	02nsd1	ca of oral cavty,colon,gallbldr wo oper
8	02nsd2	ca of g-i syst except oral cavty,colon,gallbldr wo oper
9	02ysp1nd	ca of g-i syst w biopsy,endoscpy,local excsn,oth minor oper wo dx2
10	02ysp1yd	ca of g-i syst w biopsy,endoscpy,local excsn,oth minor oper w dx2
11	02ysp2	ca of g-i syst w explr laprtmy,resectn intestin,oth major oper
12	03nsnd	ca of resp syst wo oper wo dx2
13	03nsyd	ca of resp syst wo oper w dx2
14	03ysp1nd	ca of resp syst w biopsy,endoscpy,oth minor oper wo dx2
15	03ysp1yd	ca of resp syst w biopsy,endoscpy,oth minor oper w dx2
16	03ysp2	ca of resp syst w lobectmy,pneumonectmy,oth major oper
17	04d1nd	ca of skin except malig melanoma wo dx2
18	04d1yd	ca of skin except malig melanoma w dx2
19	04d2nd	malig melanoma wo dx2
20	04d2yd	malig melanoma w dx2
21	05nsa1	ca of breast wo oper of age<63
22	05nsa2	ca of breast wo oper of age>62
23	05ysnd	ca of breast w oper wo dx2
24	05ysyd	ca of breast w oper w dx2
25	06nsnd	ca of female genitl org wo oper wo dx2
26	06nsyd	ca of female genitl org wo oper w dx2
27	06ysp1nd	ca of female genitl org w biopsy,local excisn,oth minor oper wo dx2
28	06ysp1yd	ca of female genitl org w biopsy,local excisn,oth minor oper w dx2
29	06ysp2d1	ca of uterus-corpus w (histrectmy,explr laprtmy,oth major oper
30	06ysp2d2	ca of uterus-cervix ovary w histrectmy oth major oper
31	07ns	ca of male genitl org wo oper
32	07ysp1nd	ca of male genitl org w biopsy,cystoscpy,orchiectmy wo dx2
33	07ysp1yd	ca of male genitl org w biopsy,cystoscpy,orchiectmy w dx2
34	07ysp2	ca of male genitl org w prostectmy,oth major oper
35	08ns	ca of urinary syst wo oper
36	08ysp1nd	ca of urinary syst w cystoscpy,local excisn,oth minor oper wo dx2
37	08ysp1yd	ca of urinary syst w cystoscpy,local excisn,oth minor oper w dx2
38	08ysp2	ca of urinary syst w nephrectmy,cystectmy,oth major oper
39	09nsd1	ca of bone,thyroid,conn tissue,nerves wo oper
40	09nsd2nd	ca of brain, secondary ca,multipl ca wo oper wo dx2
41	09nsd2yd	ca of brain,secondary ca,multipl ca wo oper w dx2
42	09ysp1d1	ca of thyroid,conn tissue,nerves w biopsy,excisn,oth minor oper
43	09ysp1d2	secondary ca,multipl ca w biopsy,excisn,oth minor oper
44	09ysp2	ca of bone,conn tissue,nerves,secondary ca,multipl ca w major oper
45	10a1nd	neopl of lymphatic,hemopoietic tissue of age<16 wo dx2
46	10a1yd	neopl of lymphatic,hemopoietic tissue of age<16 w dx2
47	10a2nsd1nd	hodgkins dis,reticulm-cell sarcma wo oper of age>15 wo dx2
48	10a2nsd1yd	hodgkins dis,reticulm-cell,sarcma wo oper of age>15 w dx2
49	10a2nsd2	multipl myeloma,leukemia(lymph,myeloid,mono)wo oper of age>15
50	10a2ysp1nd	neopl of lymptic,hematopoietic tiss w minor oper of age>15 wo dx2
51	10a2ysp1yd	neopl of lymptic hematopoietic tiss w minor oper of age>15 w dx2
52	10a2ysp2	neopl of lymptic,hematopoietic tiss w major oper of age>15
53	11d1nd	ben neopl of uterus(papilloma,polyp),vagina,vulva wo dx2
54	11d1yd	ben neopl of uterus(papilloma,polyp),vagina,vulva w dx2
55	11d2ns	ben neopl of uterus(fibroma),ovary wo oper
56	11d2ysp1	ben neopl of uterus(fibroma),ovary w d&c,excisn uterus
58	11d2ysp2	ben neopl of uterus(fibroma),ovary w oophorectmy,hysteromyomectmy
59	11d2ysp3	ben neopl of uterus(fibroma),ovary w hysterectmy(abdminal vaginal)
60	12nsd1	ben neopl of intestin,urinary syst,lipoma,hemangioma wo oper
61	12nsd2	ben neopl of brain,pituitry gl,oth unspec wo oper

62	12ysd1nd	ben neopl of skin bone,urinary syst,conn tiss w oper wo dx2
63	12ysd1yda1	ben neopl of skin,bone,urinry syst,conn tis w oper w dx2 of age<43
64	12ysd1yda1	ben neopl of skin,bone,urinry,syst,conn tis w oper w dx2 of age>42
65	12ysd2p1nd	ben neopl of intestin nerves w excisn org,oth minor oper wo dx2
66	12ysd2p1yd	ben neopl of intestin,nerves w excisn org,oth minor oper w dx2
67	12ysd2p2	ben neopl of intestin,nerves w explr laplatmy,oth major oper
68	12ysd3	ben neopl of stomach,brain,resp syst,pituitary gl w oper
69	13nsd1	goiter(simpl,nontoxic),endoc dis(adrnl,oth minor) wo oper
70	13nsd2	goiter(toxic),thyrotoxicosis,myxedema,pituitary hypofunctn wo oper
71	13ysp1	endocrine disorder w thyroidectmy,oth minor oper
72	13ysp2	endocrine disorder w hypophysectmy,parathyroidectmy oth major oper
73	14nsnda1	diabetes of age<36 wo oper wo dx2
74	14nsnda2	diabetes of age>35 wo oper wo dx2
75	14nsyd	diabetes wo oper w dx2
76	14ysp1	diabetes w endoscpy,biopsy,photocoagulatn retina,oth minor oper
77	14ysp2	diabetes w amputatn extremity,oth major oper
78	15d1nd	metabolic dis of gout,globulinopathy,xanthomatosis wo dx2
79	15d1yd	metabolic dis of gout,globulinopathy,xanthomatosis w dx2
80	15d2	metabolic dis of cystic fibrosis,sprue,steatorrhea,oth & unspec
81	15d3	metabolic dis of unspec obesity,amyloidosis hepatolenticular degn
82	16nsndd1a1	mediter anemia,hemophilia of age<11 wo oper wo dx2
83	16nsndd1a2	mediter anemia,hemophilia of age>10 wo oper wo dx2
84	16nsndd2	hemoglobinopathy,thrombocytopenia wo oper wo dx2
85	16nsyd	dis of blood & blood forming org wo oper w dx2
86	16ysa1	dis of blood & blood forming org w oper of age 2-53
87	16ysa2	dis of blood & blood forming org w oper of age<1 or age>53
88	17d1	schizo(paranoid,catatonic,unspec),invol melancholia
90	17d2	schizo(affective,acute episode) manic-depressive psychosis
91	18d1	neuroses(anxiety,hysterical,phobic,hypochondriacal,unspec)
92	18d2	neuroses(obsessive-compulsive,depressive),personality disorders
93	19nd	alcoholism wo dx2
94	19yd	alcoholism w liver cirrhosis,delirium tremens or oth dx2
95	20d1	drug dependence,phys dis presum psychogenic origin,cephalagia
96	20d2	psychosis,nonpsychosis related brain condition
97	21nsd1nd	epilepsy,migraine,brain dis(unspec)wo oper wo dx2
98	21nsd1yd	epilepsy,migraine,brain dis(unspec)wo oper w dx2
99	21nsd2	multipl sclerosis,paralysis agitans,meningitis,hemiplegia wo oper
100	21ysp1	dis of central nervous syst w minor oper
101	21ysp2	dis of central nervous syst w major oper
102	22nsd1	facial paralysis,neuralgia (trigeminal,oth unspec)wo oper
103	22nsd2	sciatica, polyneuritis wo oper
104	22ysd1	dis of median nerve w oper
105	22ysd2p1	dis of peripheral nerves except median w minor oper
106	22ysd2p2	dis of peripheral nerves except median w major oper
107	23nsd1	strabismus,cataract,chalazion wo oper
108	23nsd2	glaucoma,keratitis(ulceratn),dis(uvea,optic nerve,retina) wo oper
109	23ysp1	dis of eye w mymectmy,blepharorrhaphy,oth minor oper
110	23ysp2	dis of eye w extractn lens,sclerotmy,sclerectmy
111	23ysp3	dis of eye w reattachment of retina,keratoplasty
112	24nsd1	otitis media,chronic mastoiditis,otosclerosis wo oper
113	24nsd2	labyrinthitis,meniere's dis wo oper
114	24ysp1	dis of ear w myringotmy,adenoidectmy or oth minor oper
115	24ysp2	dis of ear w stapectmy,tympanoplasty
116	24ysp3	dis of ear w mastoidectmy, excisn middle ear,oth major oper
117	25nsnd	hypertensive heart dis wo oper wo dx2
118	25nsydd1	essential ben hypertension wo oper w dx2
119	25nsydd2	malig hypertensn,hypertensive dis(ht renal)wo oper w dx2
120	25ys	hypertensive heart dis w oper
121	26	acute myocardial infarction
122	27nsnd	ischemic heart dis except ami wo oper wo dx2
123	27nsyd	ischemic heart dis except ami wo oper w dx2
125	27ysp1	ischemic heart dis except ami w cardiac catheterization
126	27ysp2	ischemic heart dis except ami w endoscpy insertn of electr device
127	27ysp3	ischemic heart dis except ami w shunt oper,oth major oper
128	28nsnd	arrythmia & slowed conductn wo oper wo dx2
129	28nsyd	arrythmia & slowed conductn wo oper w dx2
130	28ysp1	arrythmia & slowed conductn w replace ht device,ht cathetrizatn
131	28ysp2	arrythmia & slowed conductn w insertn of electric ht device

132	29ns	heart failure wo oper
133	29ys	heart failure w oper
134	30nsnd	carditis,valvular heart dis wo oper wo dx2
135	30nsyd	carditis valvular heart dis wo oper w dx2
136	30ysp1nd	carditis,valvular heart dis w ht cathetrizatn wo dx2
137	30ysp1yd	carditis valvular heart dis w ht catheterizatn w dx2
138	30ysp2	carditis,valvular heart dis w ht valve oper oth major oper
139	31nsd1nd	transient cerebral ischemia wo oper wo dx2
140	31nsd1yd	transient cerebral ischemia wo oper w dx2
141	31nsd2nd	cerebral thrombo-embolism wo oper wo dx2
142	31nsd2yd	cerebral thrombo-embolism wo oper w dx2
143	31nsd3nd	hemorrhage(cerebral,subarachnoid) wo oper wo dx2
144	31nsd3yd	hemorrhage(cerebral,subarachnoid) wo oper w dx2
145	31ys	cerebrovascular diseases w oper
146	32nsd1	lymphadenitis,unspec varicose(lower ext),raynauds synd wo oper
147	32nsd2nd	arteriosclerosis,thrombo-embo(artery)wo oper wo dx2
148	32nsd2yd	arteriosclerosis,thrombo-embo(artery)wo oper w dx2
149	32ysp1a1	dis of vascular syst w excisn varicose,oth minor oper of age<51
150	32ysp1a2	dis of vascular syst w excisn varicose,oth minor oper of age>50
151	32ysp2nd	dis of vascular syst w sympathectmy,excisn vessel wo dx2
152	32ysp2yd	dis of vascular syst w sympathectmy,excisn vessel w dx2
153	32ysp3	dis of vascular syst w reconstructn artery,amputatn extremity
154	33nd	pulmonary embolism wo dx2
155	33yd	pulmonary embolism w dx2
156	34nd	phlebitis & thrombophlebitis wo dx2
157	34yd	phlebitis & thrombophlebitis w dx2
158	35	hemorrhoids
159	36	hypertrophy of tonsil & adenoid
160	37a1	acute uri & influenza of age<45
161	37a2	acute uri & influenza of age>44
162	38ns	dis of upper resp tract except acute uri & influenza wo oper
163	38ysp1	dis of upper resp tract w biopsy,endoscpy,sectn nasal septum
164	38ysp2	dis of upper resp tract w rhinoplasty,sinusotomy,plastic oper nose
165	39nsa1	pneumonia of age<31
166	39nsa2nd	pneumonia of age>30 wo dx2 wo oper
167	39nsa2yd	pneumonia of age>30 w dx2 wo oper
168	39ys	pneumonia w oper
169	40a1	bronchitis of age<46
170	40a2nd	bronchitis of age>45 wo dx2
171	40a2yd	bronchitis of age>45 w dx2
172	41a1	asthma of age<31
173	41a2nd	asthma of age>30 wo dx2
174	41a2yd	asthma of age>30 w dx2
175	42nsd1	pneumothorax,pleurisy,pul congestn wo oper
176	42nsd2nd	emphysema,empyema,abscess,acute edema wo oper wo dx2
177	42nsd2yd	emphysema,empyema,abscess,acute edema,wo oper w dx2
178	42ysp1nd	dis of lung & pleura w bronchoscpy,thoracotmy,oth min oper wo dx2
179	42ysp1yd	dis of lung & pleura w bronchoscpy,thoracotmy,oth minor oper w dx2
180	42ysp2	dis of lung & pleura w lobectomy,oth major oper
181	43d1	minor problems of teeth
182	43d2	major problems of teeth,dis(jaw,salivary gland,oth oral soft tiss)
183	44nsnd	gastric & peptic ulcer wo oper wo dx2
184	44nsyd	gastric & peptic ulcer wo oper w dx2
185	44ysp1	gastric & peptic ulcer w biopsy,endscpy,entrorrhaphy,oth minor oper
186	44ysp2nd	gastric & peptic ulcer w gastric resectn,oth major oper wo dx2
187	44ysp2yd	gastric & peptic ulcer w gastric resectn,oth major oper w dx2
188	45nsnd	upper g-i dis except peptic ulcer wo oper wo dx2
189	45nsyd	upper g-i dis except peptic ulcer wo oper w dx2
190	45ysp1nd	upper g-i dis except peptic ulcer w endscpy,oth minor oper wo dx2
191	45ysp1yd	upper g-i dis except peptic ulcer w endscpy,oth minor oper w dx2
192	45ysp2	upper g-i dis except peptic ulcer w major oper
193	46d1nd	appendicitis(without peritonitis) wo dx2
194	46d1yd	appendicitis(without peritonitis) w dx2
195	46d2nd	appendicitis(with peritonitis,unqualified,oth) wo dx2
196	46d2yd	appendicitis(with peritonitis,unqualified,oth) w dx2
197	47a1	abd hernia of age<15
198	47a2d1nd	inguinal hernia (wo obstructn) of 14<age<65 wo dx2
199	47a2d1yd	inguinal hernia (wo obstructn) of 14<age<65 w dx2
200	47a2d2ns	abd hernia except simple inguinal of 14<age<65 wo oper

201	47a2d2ysp1	abd hernia except simple inguinal of 14<age<65 w minor repair oper
202	47a2d2ysp2	abd hernia except simple inguinal of 14<age<65 w major repair oper
203	47a3ns	abd hernia of age>64 wo oper
204	47a3ysp1	abd hernia of age>64 w minor repair oper
205	47a3ysp2	abd hernia of age>64 w major repair oper
206	48nsd1	functnal disorder intestine wo oper
207	48nsd2	intestin diverticula,regional enteritis,ulcerative colitis wo oper
208	48ysp1nd	intestin(diverticula,functnl disorder) w minor oper wo dx2
209	48ysp1yd	intestin(diverticula,functnl disorder) w minor oper w dx2
210	48ysp2	intestin(diverticula,functnl disorder) w resectn,oth major oper
211	49nd	dis of anus wo dx2
212	49yd	dis of anus w dx2
213	50nsa1	misc dis of intestn & peritoneum of age<56 wo oper
214	50nsa2nd	misc dis of intestn & peritoneum of age>55 wo oper wo dx2
215	50nsa2yd	misc dis of intestn & peritoneum of age>55 wo oper w dx2
216	50ysp1	misc dis of intestn & peritoneum w local incisn,excisn
217	50ysp2nd	misc dis of intestn & peritoneum w endoscopy of intestine wo dx2
218	50ysp2yd	misc dis of intestn & peritoneum w endoscopy of intestine w dx2
219	50ysp3nd	misc dis of intestn & peritoneum w major oper wo dx2
220	50ysp3yd	misc dis of intestn & peritoneum w major oper w dx2
221	51d1a1	hepatitis(infectious,serum),subacute necrosis of liver of age<41
222	51d1a2	hepatitis(infectious,serum),subacute necrosis of liver of age>40
223	51d2nd	liver cirrhosis wo dx2
224	51d2yd	liver cirrhosis w dx2
225	52nsa1	dis of gall bladder & bile duct wo oper of age<51
226	52nsa2	dis of gall bladder & bile duct wo oper of age>50
227	52ysnd	dis of gall bladder & bile duct w oper wo dx2
228	52ysyda1	dis of gall bladder & bile duct w oper w dx2 of age<65
229	52ysyda2	dis of gall bladder & bile duct w oper w dx2 of age>64
230	53ns	dis of pancreas wo oper
231	53ys	dis of pancreas w oper
232	54nsnd	dis of kidney & bladder wo oper wo dx2
233	54nsydd1	nephritis(unqualified),pyelonephritis(oth) wo oper w dx2
234	54nsydd2a1	nephrotic synd,nephritis(chr),uremia wo oper w dx2 of age<65
235	54nsydd2a2	nephrotic synd, nephritis(chr),uremia wo oper w dx2 of age>64
236	54ysp1d1	dis of ureter,nephrotic synd w cystscpy,biopsy,oth minor oper
237	54ysp1d2	nephritis,nephrosis,pyelitis, w cystscpy,biopsy,oth minor oper
238	54ysp2	dis of kidney & ureter w nephrectmy,kid transplant,oth major oper
239	55nsnd	urinary calculus wo oper wo dx2
240	55nsyd	urinary calculus wo oper w dx2
241	55ysp1	urinary calculus w cystscpy,catheter to kidney,oth minor oper
242	55ysp2	urinary calculus w nephrotmy,cystotmy,ureterotmy,oth major oper
243	56nsnd	cystitis w oth urinary dis wo oper wo dx2
244	56nsydd1	cystitis,urethritis,stricture urethra wo oper w dx2
245	56nsydd2a1	bladder(fistula,diverticula,oth dis),wo oper w dx2 of age<46
246	56nsydd2a2	bladder(fistula,diverticula,oth dis)wo oper w dx2 of age>45
247	56ysp1	dis of bladder & urethra w meatotomy
248	56ysp2a1	dis of bladder & urethra w cystscpy,excisn,dil,repair of age<15
249	56ysp2a2	dis of bladder & urethra w cystscpy,excisn,dil,repair of age>14
250	56ysp3	dis of bladder & urethra w cystectmy,prostectmy,oth major oper
251	57ns	dis of prostate wo oper
252	57ysp1nd	dis of prostate w cystoscpy,dil urethra,biopsy wo dx2
253	57ysp1yd	dis of prostate w cystoscpy,dil urethra,biopsy w dx2
254	57ysp2nd	dis of prostate w transurethral prostectomy wo dx2
255	57ysp2yd	dis of prostate w transurethral prostectomy w dx2
256	57ysp3	dis of prostate w suprapubic prostectomy
257	58d1	redundant prepuce & phimosis
258	58d2ns	dis of male genital organ except phimosis wo oper
259	58d2ysa1	dis of male genital organ except phimosis w oper of age<45
260	58d2ysa2	dis of male genital organ except phimosis w oper of age>44
261	59nsd1	disorder of menstruation wo oper
262	59nsd2nd	dis of female gen org except disorder of menstruation wo dx2
263	59nsd2yd	dis of female gen org except disorder of menstruation w dx2
264	59ysp1nd	dis of female gen org w d&c,perineoscpy,salphinsectmy wo dx2
265	59ysp1yd	dis of female gen org w d&c,perineoscpy,oth minor oper w dx2.
266	59ysp2	dis of female gen org w hysterectmy,repair female gen org,major op
267	60ndd1	ben neopl,chr cystic dis of breast wo dx2
268	60ndd2	acute mastitis, hypertrophy of breast wo dx2
269	60yda1	dis of breast w dx2 of age <56

270	60ydx2	dis of breast w dx2 of age>55
271	61nd	abortion wo dx2
272	61yd	abortion w dx2
273	62nsd1	false labor wo oper
274	62nsd2	threatened abortion,placenta previa,oth hemorr pregnancy wo oper
275	62nsd3	toxemia,hyperemesis gravidarum,thrombophlebitis(puerperal) wo oper
276	62ysp1	obst dis of antepartum & postpartum w d&c,repair int cervical os
277	62ysp2	obst dis of antepartum & postpartum w sal-oophrctmy,oth major oper
278	63p1	delivery wo oper or w oper assisting delivery
279	63p2	delivery w ligation of fallopian tube,salpingectomy
280	63p3	delivery with c-section
281	64p1	delivery with complication wo oper or w oper assisting delivery
282	64p2	delivery with complication w c-section
283	65d1nd	keloid,cicatrix,sebaceous cyst,oth minor skin dis wo dx2
284	65d1yd	keloid,cicatrix,sebaceous cyst,oth minor skin dis w dx2
285	65d2nsa1	cellulitis & abscess of skin,eczema,chr ulcer wo oper of age<21
286	65d2nsa2	cellulitis & abscess of skin,eczema,chr ulcer wo oper of age >20
287	65d2ysnd	cellulitis & abscess of skin,eczema,erythma conditn w oper wo dx2
288	65d2ysyd	cellulitis & abscess of skin,eczema,erythma conditn w oper w dx2
289	65d3	psoriasis, pemphigus, chr ulcer of skin
290	66nsa1	arthritis wo oper of age<65
291	66nsa2	arthritis wo oper of age>64
292	66ysp1	arthritis w excisn(bone,joint,synovium),arthrodesis
293	66ysp2	arthritis w arthrotomy,spinal fusn,excisn intervert cartilage
294	66ysp3	arthritis w repair & plastic oper(joint,hip) laminectomy
295	67ns	dearangement & displacement of intervertebral disc wo oper
296	67ys	dearangement & displacement of intervertebral disc w oper
297	68nsd1	rhematism,periostitis,oth minor bone dis wo oper
298	68nsd2	osteomyelitis (acute,chr),osteoporosis,spont fracture wo oper
299	68ysp1	dis of bone & cartilage w excisn semilunar cart, repair oth joint
300	68ysp2	dis of bone & cartilage w arthrotmy,excisn bone,fusn bone
301	68ysp3	dis of bone & cartilage w amputation,arthroplasty hip,oth major op
302	69nsd1	burion,synvilis,bursitis,tenosynvitis,scliosis,deform foot wo oper
303	69nsd2nd	lumbalgia,diff dis of conn tiss,myositis wo oper wo dx2
304	69nsd2yd	lumbalgia,diff dis of conn tiss,myositis wo oper w dx2
305	69ysd1	synovitis,tendonitis,bursitis,deformity(finger,toe,palm) w oper
306	69ysd2p1	oth dis of musculoskeletal syst(major) w minor oper
307	69ysd2p2	oth dis of musculoskeletal syst(maj) w excisn,repair(sml jnt,bone)
308	69ysd2p3	oth dis of musculoskeletal syst(maj) w spinal fusn,oth major oper
309	70nsd1	osteogenesis imperfecta,pyloric stenosis,undesc testicle wo oper
310	70nsd2	congenital anomaly(heart,kidney,oth major) wo oper
311	70ysd1	cong anom(testicle,skin,pyloric stenosis,oth minor) w oper
312	70ysd2p1	cong anom of ht(valve,unspec)w ht catheterizatn
313	70ysd2p2	cong anom(palate,lip,hip,oth extr)w repair(lip,palate),arthrodesis
314	70ysd2p3	cong anom of ht(valve,unspec)w oper on ht(valve,septum)
315	70ysd3p1	asd,tof,pda,coa,hypospadia w cathrzn,repair urethra
316	70ysd3p2	asd,tof,pda,coa w oper on valve,septum,shunt
317	70ysd4	cong anom(spine,esophageal atresia,hirschsprung dis) w oper
318	71	normal mature born
319	72dl	well baby care,post maturity,oth minor dis or cond of newbrn infnt
320	72d2nd	immaturity,hyaline memb dis,oth major dis or cond of infant wo dx2
321	72d2yd	immaturity,hyaline memb dis,oth major dis or cond of infant w dx2
322	73nsnd	symptom or signs(nerve,resp,circul syst) wo oper wo dx2
323	73nsydd1	convulsion,syncope,epistaxis,chest pain wo oper w dx2
324	73nsydd2	vertigo,encephalopathy,dyspnea,hemoptysis wo oper w dx2
325	73ysp1	symptom or signs(nerve,resp,circul syst) w minor oper
326	73ysp2	symptom or signs(nerve,resp,circul syst) w major oper
327	74nsnd	symptom or signs(g-i,urinary syst) wo oper wo dx2
328	74nsyd	symptom or signs(g-i,urinary syst) wo oper w dx2
329	74ysp1	symptom or signs(g-i urinary syst) w endoscopy,oth minor oper
330	74ysp2	symptom or signs(g-i urinary syst) w expl lapartmy,oth major oper
331	75nsd1	sterility(male,female),admission for observ wo oper
332	75nsd2a1	electrlyt disor,hedache,pyrexia,oth ill-def symt wo oper of age<15
333	75nsd2a2	electrlyt disor,hedache,pyrexia,oth ill-def symt wo oper of age>14
334	75ysp1	misc symptoms w perineoscopy,cystoscopy oth minor oper
335	75ysp2	misc symptoms w hysterectomy,expl lapartmy,oth major oper
336	76nsd1a1	fx(skull,face,forearm,tibia,fibula,foot,hand) wo oper of age<30
337	76nsd1a2	fx(skull,face,forearm,tibia,fibula,foot,hand) wo oper of age>29
338	76nsd2a1	fx(spine,rib,humerus) wo oper of age<65
339	76nsd2a2	fx(spine,rib,humerus) wo oper of age>64

340	76nsd3	fx(femur•pelvis•multiple) wo oper
341	76ysp1d1nd	fx(nasal•forearm•hand•lower leg•foot) w close reductn wo dx2
342	76ysp1d1yd	fx(nasal•forearm•hand•lower leg•foot) w close reductn w dx2
343	76ysp1d2nd	fx(mandble•humerus•ankl)w cls reductn•open reductn for face wo dx2
344	76ysp1d2yd	fx(mandble•humerus•ankl)w cls reductn•open reductn for face w dx2
345	76ysp2d1	fx(arm•hand•foot•clavicle) w open reductn•ext fixatn•debridement
346	76ysp2d2	fx(ankle•tibia & fibula) w open reductn•ext fixatn•debridement
347	76ysp2d3	fx(femur•pelvis) w open reductn•ext fixatn•debridement
348	76ysp3	fx of bone w amputatn•arthroplasty of hip•oth major oper
349	77nsd1	dislocatn(shoulder•elbow•wrist•knee)sprains(ankl•foot•hand) wo ope
350	77nsd2	dislocatn(jaw•hip)•sprains(knee•sacroiliac•oth unspec)wo oper
351	77ysd1	dislocatn(shoulder•elbow•hand)sprains(elbow•wrist•hand) w oper
352	77ysd2	dislocatn(knee•ankle)•sprains(shoulder•knee•ankle) w oper
353	77ysd3	dislocatn(hip•multiple)•sprains(hip•sacroiliac•oth unspec) w oper
354	78nsa1nd	internal injury of cranium•oth org wo oper wo dx2 of age<41
355	78nsa1yd	internal injury of cranium•oth org wo oper w dx2 of age<41
356	78nsa2	internal injury of cranium•oth org wo oper of age>40
357	78ysp1	internal injury w suture(skin•nerve)•neuroplasty•oth minor oper
358	78ysp2	internal injury w splenectmy•thoracotmy•pleurotmy•excisn skin
359	78ysp3	internal injury w craniotomy•expl laparotomy
360	79nsd1	open wound not complicated•superficial injury•foreign body wo oper
361	79nsd2nd	open wound complicated•contusn•multiple injury wo oper wo dx2
362	79nsd2yd	open wound complicated•contusn•multiple injury wo oper w dx2
363	79ysp1d1	open wound(extr)•foreign body w endoscpy•suture•oth minor oper
364	79ysp1d2	open wound(compl•head•multiple) w endscpy•suture• oth minor oper
365	79ysp2d1	open wound(extr)•superf injury w excisn•debridment• oth major oper
366	79ysp2d2	open wound(compl•body•multiple)w excisn•debridment•oth major oper
367	80d1	burn of 1st degr•2nd degr uncompl• less than 20% of body
368	80d2	burn of 2nd degr compl• 3rd degr• more than 20% of body
369	81nsnd	compl of surgical or medical care wo oper wo dx2
370	81nsyd	compl of surgical or medical care wo oper w dx2
371	81ysp1	compl of surgical or medical care w minor oper
372	81ysp2	compl of surgical or medical care w replace ht device•repair stoma
373	81ysp3	compl of surgical or medical care w revisn shunt•oth major oper
374	82d1nd	adverse effect of drug•toxic effect of alcohol wo dx2
375	82d1yd	adverse effect of drug•toxic effect of alcohol w dx2
376	82d2nd	toxic effect(lead•acid•alkali•carbon monoxide•radiation) wo dx2
377	82d2yd	toxic effect(lead•acid•alkali•carbon monoxide•radiation) w dx2
378	83nsd1	prenatal care•medical & surgical after care(dialysis) wo oper
379	83nsd2	admission(for sterilization•chemother•radiationther) wo oper
380	83nsd3	followup(ca)•surg-med after care(colostomy•orthop•oth) wo oper
381	83ysp1	special admission w oper on sterilization or d&c
382	83ysp2	special admission w cystoscopy• removal of fix device(internal)
383	83ysp3	special admission w expl laparotmy•hysterectmy•oth major oper

Appendix C

Tree Diagrams and Short Displays

Tree diagrams and short displays describing the grouping process for each major diagnostic category appear in the following pages. At the top of each tree diagram is the major diagnostic category number and the ICDA8, HICDA, and HICDA2 primary diagnosis codes that fall into it. Below is a large box containing the name of the category. If the category is further split into additional groups, this is indicated symbolically by diamonds and rectangles.

The diamond represents a decision point in the division process and contains the variable used in the decision. Lines emanate from the diamond indicating how the group was split on the basis of that variable. Following is a list of all possible types of decisions that appear in the diagrams:

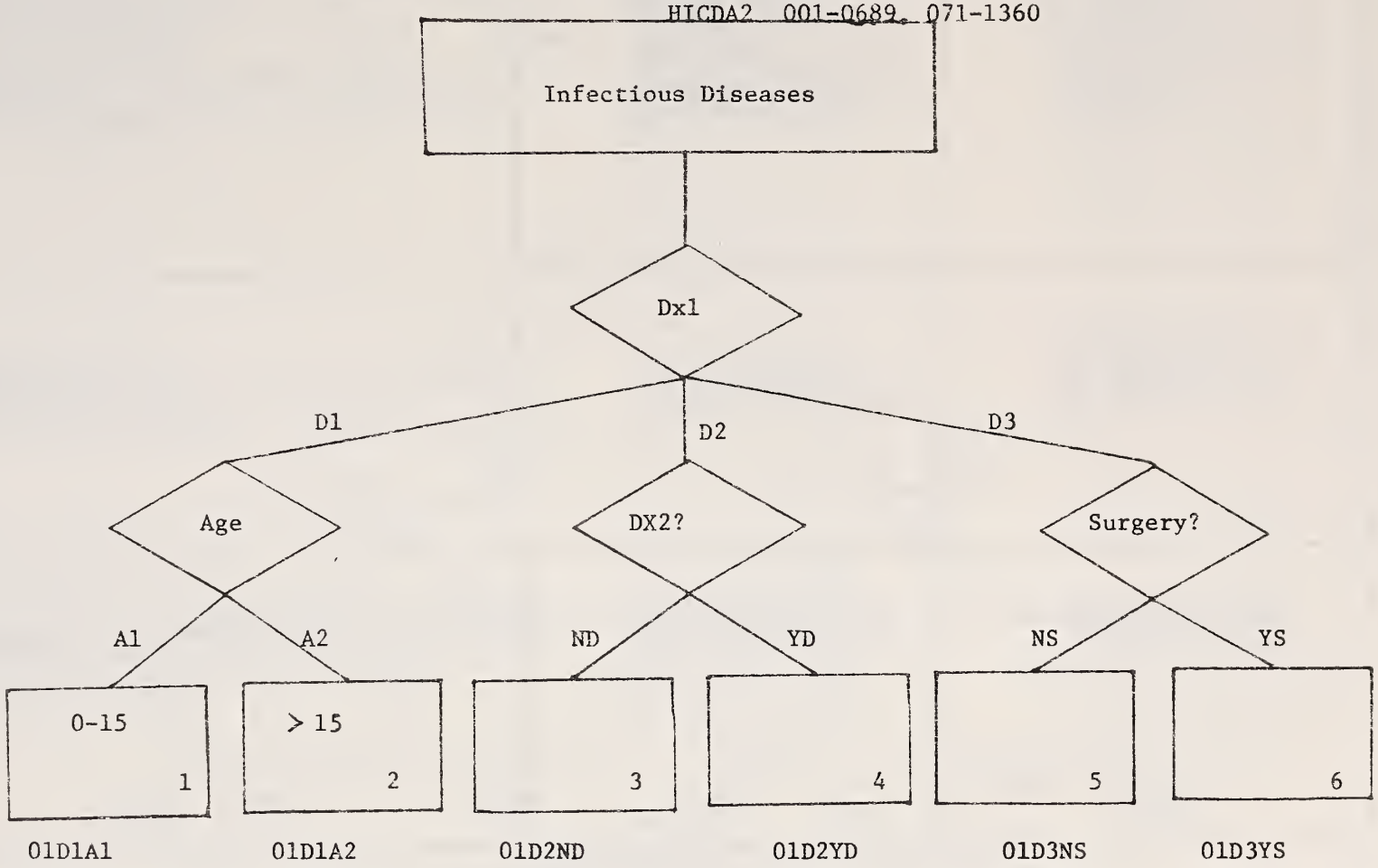
Dx1	division on primary diagnosis (number of divisions indicated by D1, D2, ...)
Dx2	division on secondary diagnosis (number of divisions indicated by X1, X2, ...)
Dx2?	division on presence or absence of secondary diagnosis (YD=presence, ND=absence)
Type of Surgery	division on primary surgical procedure (number of divisions indicated by P1, P2, ...)
Surgery?	division on presence or absence of primary surgical procedure (YS=presence, NS=absence)
Second Surgery?	division on presence or absence of secondary surgical procedure (YG=presence, (NG=absence)
Service	division on clinical service (number of divisions indicated by S1, S2, ...)

Final groups (Diagnosis Related Groups or DRGs) are represented by rectangles. Inside each rectangle is the sequential terminal group number (01-383). Below each box is the AUTOGRP code, as described in Appendix B.

For example, referring to Major Diagnostic Category 1, Infectious Diseases, it is seen that all patients are initially divided into three groups on the basis of primary diagnosis. Each of these is further split into two additional groups on the basis of age, presence or absence of secondary diagnosis, and presence or absence of surgery, respectively. Thus, six terminal groups were formed from the initial category.

Where splits were made in the data using type of diagnosis or type of surgical procedure, additional information follows the diagram listing in order of size, each diagnosis or surgery representing at least 1% of the patients in this branch from the sample database. This is done for ICDA8, HICDA, and HICDA2 codes. Differences in type of diagnosis or surgical procedure and in order listed will be noted among the displays corresponding to the three types of codes. These differences can be attributed to differences in the nature of the coding schemes themselves as well as to the different databases used as a basis for constructing the displays.

Diagnostic Category 01: ICDA8 000-0689, 071-1360
HICDA 001-0689, 071-1360
HICDA2 001-0689, 071-1360



01 Infectious Diseases

ICDA8

01

0X1

0089 ENTERITIS DUE TO OTHER SPECIFIED ORGANISM-NOT ELSEWHERE
0091 DIARRHEA
0080 ENTERITIS DUE TO OTHER SPECIFIED ORGANISM-ESCHERICHIA CO

02

0X1

0092 GASTROENTERITIS AND COLITIS
0799 VIRAL INFECTION, UNSPECIFIED
0969 OTHER VENEREAL DISEASE-OTHER AND UNSPECIFIED
3459 ASEPTIC MENINGITIS DUE TO ENTEROVIRUS-ASEPTIC MENINGITIS
0750 INFECTIOUS MONONUCLEOSIS
0791 VIRAL WARTS
0340 STREPTOCOCCAL SORE THROAT

03

0X1

0389 SEPTICEMIA-UNSPECIFIED
0119 PULMONARY TUBERCULOSIS-NOS
0122 RESPIRATORY TUBERCULOSIS-PLEURISY WITH EFFUSION WITHOUT
1350 SARCOIDOSIS
0539 HERPES ZOSTER-OF OTHER AND UNSPECIFIED SITES
0039 OTHER SALMONELLA INFECTIONS-WITHOUT MENTION OF FOOD AS V
0113 PULMONARY TUBERCULOSIS-ACTIVE, STAGE UNSPECIFIED
0381 SEPTICEMIA-STAPHYLOCOCCAL
0388 OTHER BACTERIAL SEPTICEMIA
0111 PULMONARY TUBERCULOSIS-ACTIVE, MODERATELY ADVANCED
0983 GONOCOCCAL INFECTIONS-OF JOINT
0121 RESPIRATORY TUBERCULOSIS-PLEURISY SPECIFIED AS TUBERCULO
0360 SEPTICEMIA-STREPTOCOCCAL
0460 OTHER ENTEROVIRUS DISEASES OF CENTRAL NERVOUS SYSTEM

HICDA

01

0X1

0089 VIRAL ENTERITIS UNSPEC
0091 DIARRHEA
0090 DYSENTERY UNSPECIFIED
0083 ENTERITIS BACT OTH SPEC
0084 ENTERITIS BACT UNSPEC

02

0X1

0092 GASTROENTERITIS COLITIS
0799 VIRAL INFECTION UNSPEC
0340 STREP SORE THROAT
0540 HERPES SIMPLEX

03

0X1

0539 HERPES ZOSTER NOS
0389 SEPTICEMIA UNSP ORGANIS
0383 ENTERIC GM-NEG BACILLI
0119 PULM TUBERC UNSPEC
0532 HERPES ZOSTER OF TRUNK
0039 SALMONELLA INF W/O FOOD
1350 SARCOIDOSIS
0531 HERPES ZOSTER OTH FACE
0380 STREPTOCOCCAL SEPTICEMI
0113 ACTIVE PULM TB STAGE NO
0381 STAPH SEPTICEMIA
0530 HERPES ZOSTER OF EYE
0339 WHOOPING COUGH OTH / UN
0170 TB SKIN SUBCUT CELL TIS
0650 VIRAL ENCEPH UNSPEC
0160 TB OF KIDNEY
0983 GONORRHEA OF JOINT

HICDA2

01

0X1

0089 VIRAL ENTERITIS NOS
0091 INFECTIOUS DIARRHEA
0080 ENTERITIS, E COLI

02

0X1

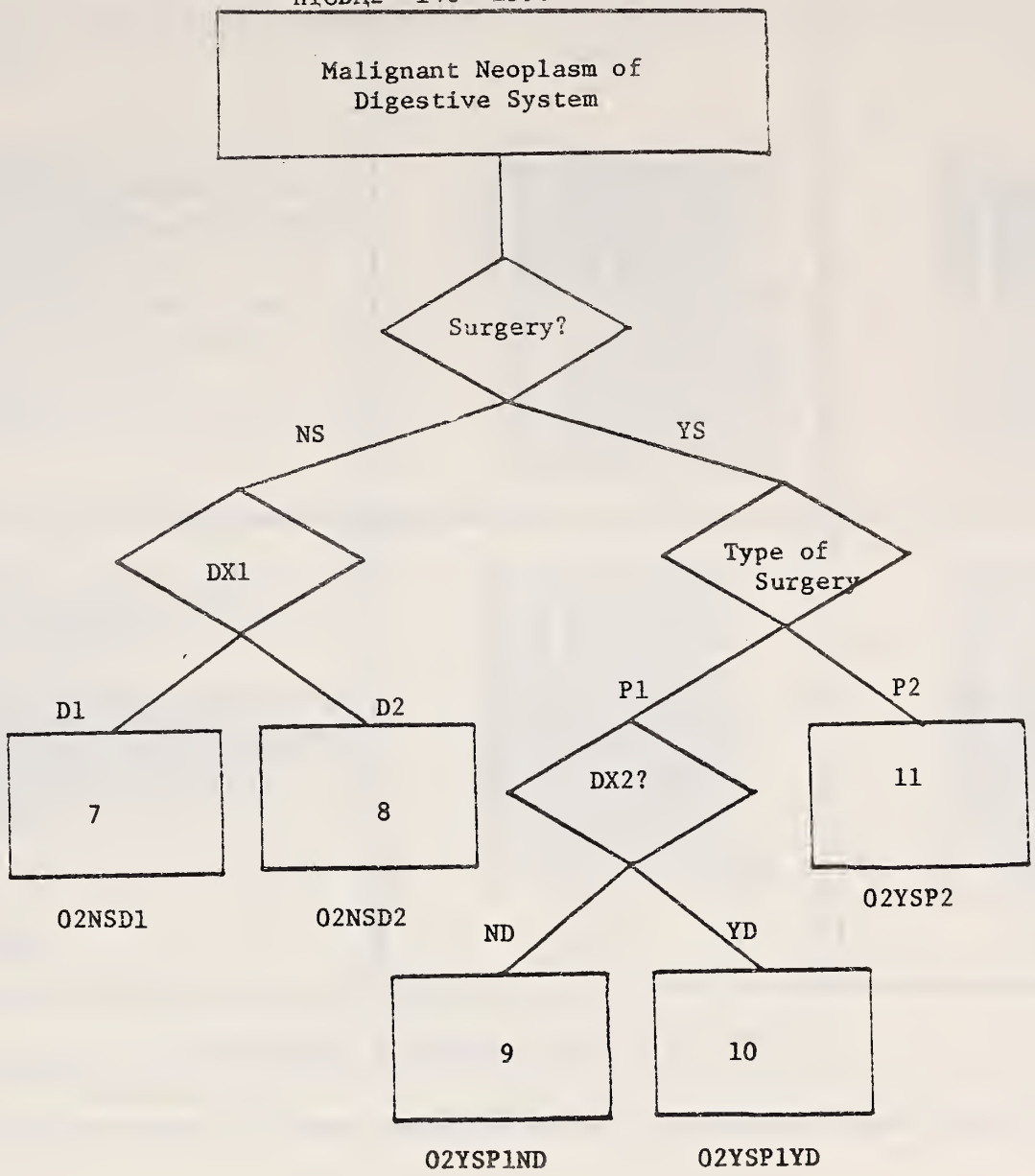
0092 GASTROENTERITIS, COLITIS
0799 VIRAL INFECTION NOS
0791 VIRAL WARTS
0750 INFECTIOUS MONONUCLEOSIS
0340 STREP SORE THROAT
0459 ASEPTIC MENINGITIS NOS
0540 HERPES SIMPLEX

03

0X1

0389 SEPTICEMIA NOS
1350 SARCOIDOSIS
0119 PULMONARY TB NOS
0383 ENTERIC GM-NEG SEPTICEM
0113 ACTIVE PULM TB STAGE NOS
0538 HERPES ZOSTER NEC & NOS
0039 SALMONELLA INF W/O FOOD
0381 STAPH SEPTICEMIA
0339 WHOOPING COUGH NEC & NOS
0380 STREPTOCOCCAL SEPTICEMIA
0820 SPOTTED FEVERS
0030 SALMONELLA INF W FOOD
0360 MENINGOCOCCAL MENINGITIS
0530 HERPES ZOSTER OF EYE
0539 LATE EFF HERPES ZOSTER
0532 HERPES ZOSTER OF TRUNK
0121 PLEURISY SPEC AS TB
0170 TB SKIN & SUBCUT TISSUE

Diagnostic Category 02: ICDA8 1400-1590
HICDA 1400-1590
HICDA2 140 -1590



02 Malignant Neoplasm of Digestive System

ICDA8

01

DX1

144 CA OF FLOOR OF MOUTH
1419 CA OF TONGUE-PART UNSPECIFIED
1533 CA OF LARGE INTESTINE, EXCEPT RECTUM-SIGMOID COLON
1480 CA OF OROPHARYNX-TONSILS
1530 CA OF LARGE INTESTINE, EXCEPT RECTUM-CECUM, APPENDIX AND
1551 CA OF LIVER AND INTRAHEPATIC BILE DUCTS, SPECIFIED AS PA
1459 CA OF OTHER AND UNSPECIFIED PARTS OF MOUTH-PART UNSPECIF
1451 CA OF OTHER AND UNSPECIFIED PARTS OF MOUTH-PALATE (HARD)
1420 CA OF SALIVARY GLAND-PAROTID GLAND
1531 CA OF LARGE INTESTINE, EXCEPT RECTUM-TRANSVERSE COLON, I
1453 CA OF OTHER AND UNSPECIFIED PARTS OF MOUTH-BUCCAL MUCOSA
1470 CA OF NASOPHARYNX
1410 CA OF TONGUE-BASE OF TONGUE
1469 CA OF OROPHARYNX-PART UNSPECIFIED
147 CA OF NASOPHARYNX
1489 CA OF HYPOPHARYNX-PART UNSPECIFIED
1561 CA OF GALLBLADDER AND BILE DUCTS-EXTRAHEPATIC BILE DUCTS
1532 CA OF LARGE INTESTINE, EXCEPT RECTUM-DESCENDING COLON
1481 CA OF HYPOPHARYNX-PYRIFORM FOSSA
1551 CA OF LIVER AND INTRAHEPATIC BILE DUCTS, SPECIFIED AS PR

02

DX1

1538 CA OF LARGE INTESTINE, EXCEPT RECTUM-LARGE INTESTINE (IN
1579 CA OF PANCREAS-UNSPECIFIED
1519 CA OF STOMACH-PART UNSPECIFIED
1541 CA OF RECTUM
150 CA OF ESOPHAGUS
1500 CA OF ESOPHAGUS
1539 CA OF LARGE INTESTINE, EXCEPT RECTUM-INTESTINAL TRACT, P
1580 CA OF PERITONEUM AND RETROPERITONEAL TISSUE-RETROPERITON
1570 CA OF PANCREAS-HEAD
1529 CA OF SMALL INTESTINE, INCLUDING DUODENUM-PART UNSPECIFI
1589 CA OF PERITONEUM AND RDPERITONEAL TISSUE-OTHER PARTS

HICDA

01

DX1

1530 NEO MAL CECUM / APDX
1534 NEO MAL SIGMOID COLON
1550 NEO MAL OF LIVER
1539 NEO MAL INTEST TRACT NO
1560 NEO MAL OF GALLBLADDER
1532 NEO MAL TRANSVERSE COLO
1419 NEO MAL TONGUE NOS
1490 NEO MAL PHARYNX NOS
1561 NEO MAL EXTRAHEPAT BILE
1460 NEO MAL OF TONSIL
1459 NEO MAL MOUTH NOS
1481 NEO MAL PYRIFORM FOSSA
1440 NEO MAL FLOOR MOUTH
1470 NEO MAL NASOPHARYNX
1450 NEO MAL BUCCAL MUCOSA
1420 NEO MAL PAROTID GLAND
1466 NEO MAL OTH OROPHARYNX
1409 NEO MAL LIP UNSPEC
1531 NEO MAL ASCEND COLON
1561 NEO MAL PERITONEUM
1533 NEO MAL DESCENDING COLO

02

DX1

1538 MALIG NEO LG BOWEL NOS
1519 MALIG NEO STOMACH NOS
1579 MALIG NEO PANCREAS NOS
1541 MALIGNANT NEO, RECTUM
1509 MALIG NEO ESOPHAGUS NOS
1540 MAL NEO RECTOSIGMOID JCT
1570 MALIG NEO PANCREAS, HEAD
1501 MAL NEC THORACIC ESOPH
1580 MAL NEO RETROPERITONEUM
1529 MALIG NEO SM BOWEL NOS

HICDA2

01

DX1

1534 MALIGNANT NEO, SIGMOID
1440 MALIG NEO MOUTH FLOOR
1419 MALIGNANT NEC TONGUE NOS
1530 MALIGNANT NEOPLASM CECUM
1550 MALIGNANT NEOPLASM LIVER
1531 MALIG NEO ASCEND COLON
1460 MALIGNANT NEO TONSIL
1420 MALIG NEO PAROTID
1470 MALIG NEO NASOPHARYNX
1532 MAL NEO TRANSVERSE COLON
1539 MALIG NEO INTESTINE NOS
1560 MALIG NEO GALLBLADDR
1459 MALIG NEO MOUTH NOS
1490 MALIG NEO PHARYNX NOS
1468 MAL NEO OROPHARYNX NEC
1410 MALIG NEO TONGUE BASE
1535 MALIGNANT NEC, APPENDIX
1431 MALIGNANT NEO PALATE
1450 MALIG NEO BUCC MUCOSA
1401 MALIG NEO LOWER LIP

02

DX1

1538 NEO MAL LG INTEST NOS
1519 NEO MAL STOMACH NOS
1579 NEO MAL PANCREAS NOS
1541 NEO MAL RECTUM
1509 NEO MAL ESOPHAGUS NOS
1570 NEO MAL PANCREAS HEAD
1540 NEO MAL RECTOSIGMOID JC
1590 NEO MAL DIGEST ORGNS NO

02 Malignant Neoplasm of Digestive System
(Cont'd)

ICDA8

P1

OPER1	
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
A14	BIOPSY OF MOUTH AND THROAT
502	LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A13	BIOPSY OF STOMACH AND INTESTINES
962	GLOSSECTOMY
A42	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
969	OTHER OPERATIONS ON BUCCAL CAVITY
252	RADICAL EXCISION OF LYMPHATIC STRUCTURE
472	LOCAL EXCISION AND DESTRUCTION OF LESION OF INTESTINE
321	THORACENTESIS
A16	BIOPSY OF THORAX
394	PERITONEOCENTESIS
922	WIDE OR RADICAL EXCISION OF LESION OF SKIN
A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
951	EXCISION OF SALIVARY GLANDS, LOCAL OR TOTAL
427	BIOPSY OF BONE
465	CLOSURE OF ARTIFICIAL STOMA, INTESTINE
994	SURGICAL REMOVAL OF TOOTH
251	SIMPLE EXCISION OF LYMPH NODES AND LYMPH CYSTS
969	OTHER OPERATIONS ON PALATE
421	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE

P2

OPER1	
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
493	PROCTECTOMY
478	COLOSTOMY
462	GASTRIC RESECTION, PARTIAL OR SUBTOTAL
419	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
436	ANASTOMOSIS OF GALLBLADDER
479	RESECTION OF COLON, COMPLETE OR TOTAL
465	ANASTOMOSIS OF STOMACH
352	RESECTION OF ESOPHAGUS
395	EXCISION AND DESTRUCTION OF LESION OF ABDOMINAL WALL AN

HICDA

P1

OPER1	
501	LOC EXCIS RECTAL LESION
966	CHEMOTHERAPY IN CANCER
915	NONSURG ENDOSCOPY
416	EXCIS LESION OF MOUTH
914	NONSURG ESOPHAGOSCOPY
554	ABDOMINAL PARACENTESIS
411	GLOSSECTOMY
50a	BIOP RECTUM PERIRECT TI
261	THORACENTESIS
485	CLOS ARTIFIC STOMA INT
464	EXTERIORIZATION INTEST
418	BIOP BUC CAV TONG PALAT
43d	BIOPSY OF ESOPHAGUS
439	ESOPHAGEAL OPERATION OT
46d	BIOPSY INTESTINE COLON
415	PALATE OPERATIONS OTHER
961	DEEP RADIATION THERAPY
94e	RADIOISOTOPE SCAN EXAMI
892	RAD EXCIS SKIN LESION
903	FREE SKIN GRAFT OTH LOC
898	BIOPSY SKIN SUBCUTAN TI
424	PAROTIDECTOMY
916	NONSURG CYSTOSCOPY URET
912	NONSURG LARYNGOSCOPY
462	LOC EXCIS LG INTEST LES

P2

OPER1	
470	RESECT COLON SEGMENTAL
551	EXPLORATORY LAPAROTOMY
471	RIGHT HEMICOLECTOMY
502	PROCTECTOMY
475	COLOSTOMY
473	COMPLETE COLECTOMY
443	PARTIAL GASTRECTOMY
891	LOC EXC SKIN SUBCUT LES
453	ANASTOMOSIS OF STOMACH
472	LEFT HEMICOLECTOMY
53e	ANASTOMOSIS GALLBLADDER
535	CHOLECYSTECTOMY
527	BIOP LIVER PERCUTANEOUS
373	RADICAL NECK DISSECTION
481	ANASTOMOSIS SM TO LG INTES
52d	BIOP LIVER INTRA-ABD AP

HICDA2

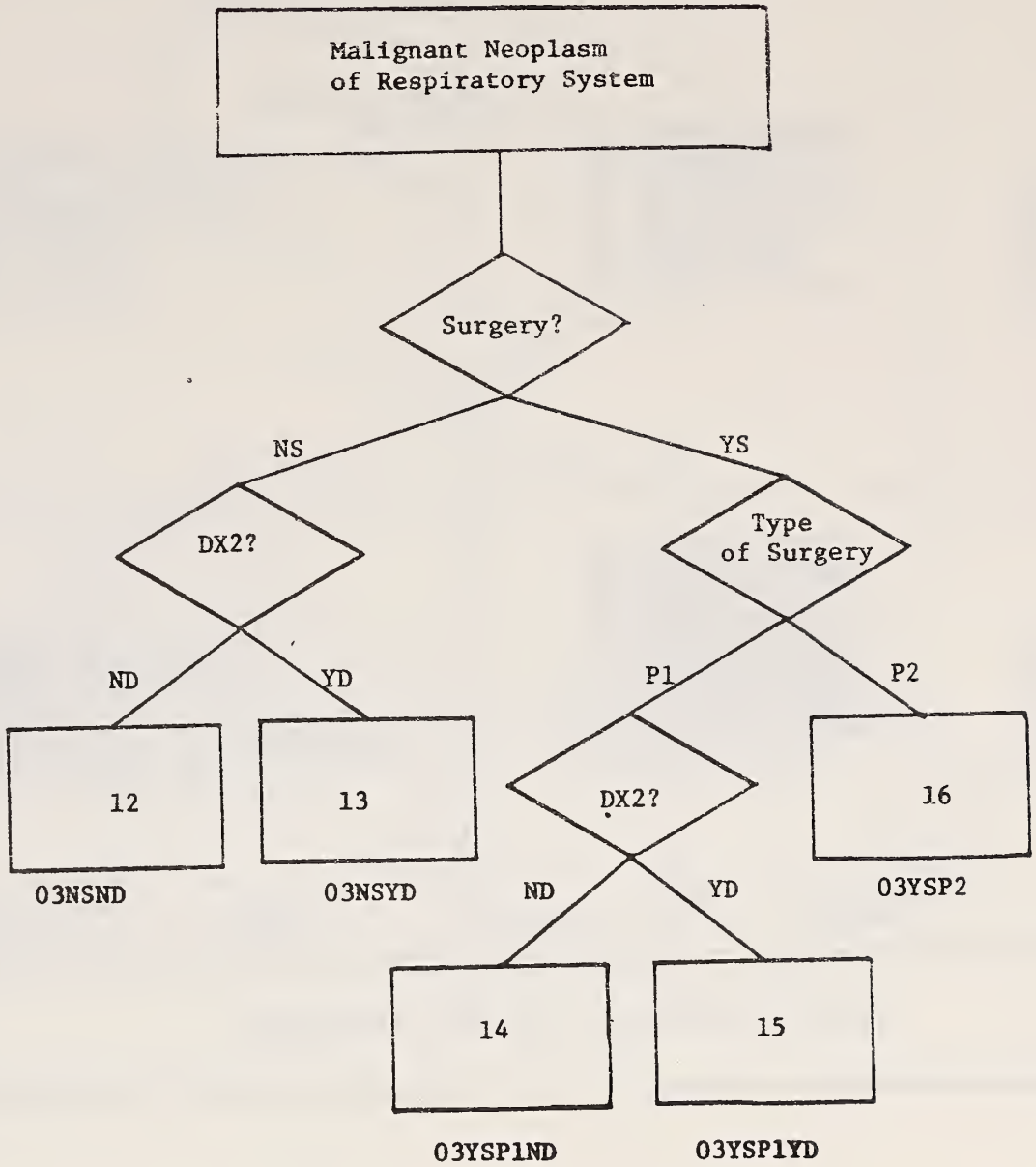
P1

OPER1	
482	EXCISION RECTAL LESION
923	ESOPHAGOGASTROSCOPY
924	PROCTOSIGMOIDOSCOPY
452	EXCISION LG BOWEL LESION
422	EXCISION ESOPHAGEAL LES
273	EXCISION ORAL LESION NEC
485	RECTAL RESECTION NEC
885	EXCISION SKIN LESION
403	RADICAL NECK DISSECTION
292	EXCISION LESION PHARYNX
263	SIALOADENECTOMY
252	PARTIAL GLOSSECTOMY
251	EXCISION LESION TONGUE
340	THORACENTESIS
540	ABDOMINAL PARACENTESIS
491	SIMPLE EXCIS LYMPH NODE
925	CYSTOURETHROSCOPY
465	ARTIFICIAL STOMA CLOSURE
921	LARYNGOTRACHEOSCOPY
836	RADICAL EXCIS SKIN LES
262	EXCIS LES SALIVARY GLAND
463	BOWEL EXTERIORIZATION
922	BRONCHOSCOPY
272	EXCISION LESION PALATE

P2

OPER1	
455	SUBTOT RESECT-LG BOWEL
542	LAPAROTOMY
484	ABDOMINOPERINEAL RESECT
491	COLOSTOMY
437	PART GASTREC & G-JEJUNOST
502	EXCISION LIVER LESION
512	OP OF BILE DUCT ANASTOM
434	EXCISION STOMACH LESION
454	RESECTION OF SMALL BOWEL
544	EXCISION PERITONEAL LES
500	PERCUTANEOUS LIVER ASPIO
511	CHOLECYSTECTOMY
423	ESOPHAGEAL RESECTION
458	SM-TO-LG BOWEL ANASTOMOS
456	TOTAL COLECTOMY

Diagnostic Category 03: ICDA8 160-1639
HICDA 1600-1639
HICDA2 160-1639



03 Malignant Neoplasm of Respiratory System

ICDA8

P1

OPER1

A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
A16	BIOPSY OF THORAX
A26	OTHER BIOPSY OF CIRCULATORY AND LYMPHATIC SYSTEMS
A42	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
321	THORACENTESIS
A14	BIOPSY OF MOUTH AND THROAT
A27	BIOPSY OF BONE
190	EXCISION OF LESION OF NOSE
201	LOCAL EXCISION AND DESTRUCTION OF LESION OF LARYNX, VOC
252	RADICAL EXCISION OF LYMPHATIC STRUCTURE
922	WIDE OR RADICAL EXCISION OF LESION OF SKIN
196	RADICAL SINUSOTOMY MAXILLARY

P2

OPER1

342	SEGMENTAL RESECTION OF LUNG
320	THORACOTOMY AND PLEUROTOMY
343	LOBECTOMY
202	LARYNGECTOMY
344	PNEUMONECTOMY (COMPLETE)
203	RADICAL DISSECTION OF LARYNX
A51	THORACOSCOPY, TRANSPLEURAL
205	EMERGENCY TRACHEOTOMY OR TRACHEOSTOMY
A29	BIOPSY OF SKIN AND SUBCUTANEOUS TISSUE
322	MEDIASTINOTOMY
804	EXCISION OF BONE, PARTIAL
206	PERMANENT TRACHEOSTOMY OR TRACHEOTOMY AND LARYNGOSTOMY
972	EXCISION AND DESTRUCTION OF LESION OF JAW

HICDA

P1

OPER1

913	NONSURG BRONCHOSCOPY
261	THORACENTESIS
376	BIOPSY OF LYMPH NODES
226	BIOPSY LARYNX / TRACHEA
921	THORACOSCOPY TRANSPLEUR
966	CHEMOTHERAPY IN CANCER
201	LOC EXCIS OF LES OF NOS
946	RADIOISOTOPE SCAN EXAMI
912	NONSURG LARYNGOSCOPY
961	DEEP RADIATION THERAPY
221	EXCIS LES LARYNX TRACHE
962	SUPERVOLT MEGAVOLT IRRA
971	PHYSICAL THERAPY
871	SIMPLE EXCIS LYMPH NODE
903	FREE SKIN GRAFT OTH LOC
652	PROSTATECTOMY TRANSURET
918	NONSURG CYSTOSCOPY URET
527	BIOP LIVER PERCUTANEOUS
380	BONE MARROW ASPIRATION

P2

OPER1

260	THORACOTOMY / PLEUROTOM
252	SEGMENTAL RESECTION LUN
258	BIOPSY OF LUNG
253	COMPLETE LOBECTOMY
223	TOTAL LARYNGECTOMY
246	BIOPSY OF BRONCHUS
254	COMPLETE PNEUMONECTOMY
573	RADICAL NECK DISSECTION
262	MEDIASTINOTOMY
222	PARTIAL LARYNGECTOMY
268	BIOPSY CHEST WALL PLEUR
898	BIOPSY SKIN SUBCUTAN TI
891	LOC EXC SKIN SUBCUT LES
220	LARYNGOTOMY TRACHEOTOMY
225	PERMANENT TRACHEOTOMY

HICDA2

P1

OPER1

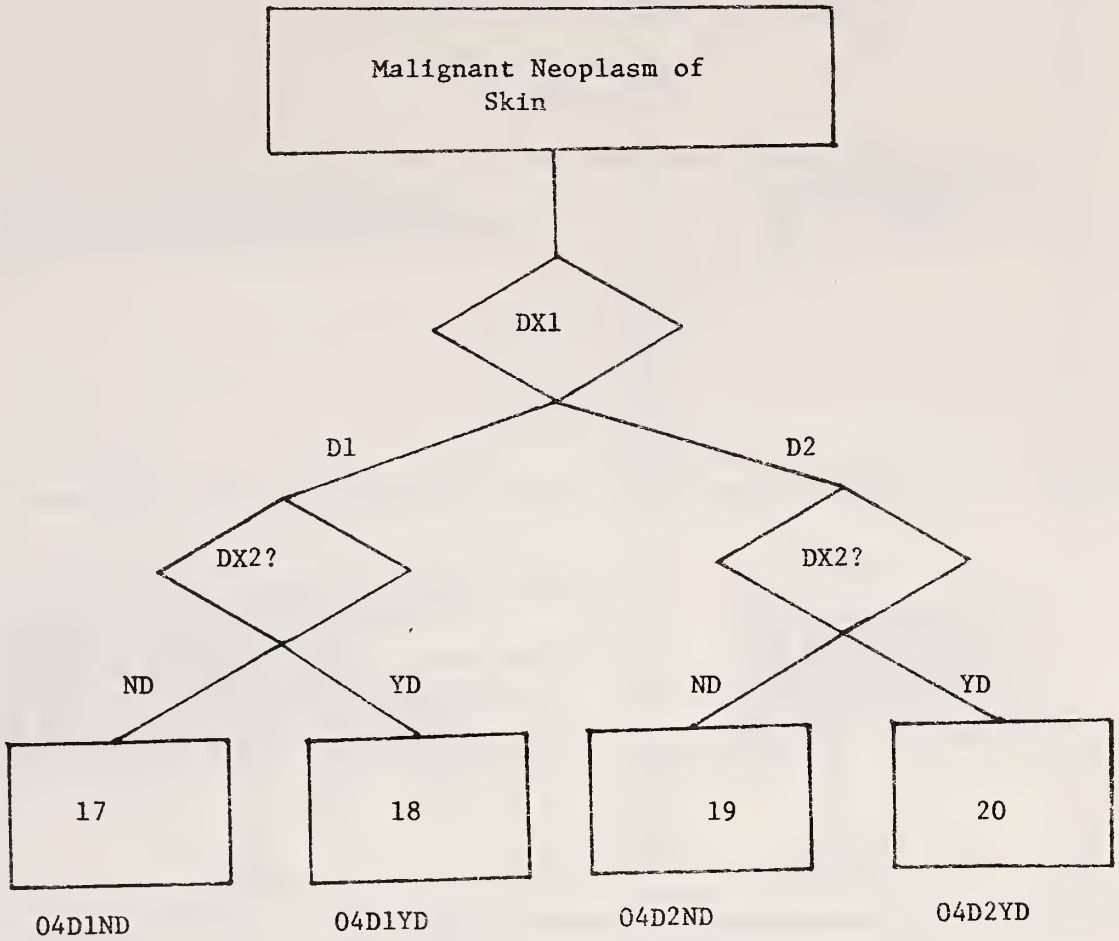
922	BRONCHOSCOPY
401	SIMPLE EXCIS LYMPH NODE
300	EXCISION LESION LARYNX
340	THORACENTESIS
921	LARYNGOTRACHEOSCOPY
343	EXCIS LESION MEDIASTINUM
213	EXCISION OF LESION NOSE
911	TRANSPLEURAL THORACOSCOPY
925	CYSTOURETHROSCOPY

P2

OPER1

321	EXCISION LESION BRONCHUS
331	EXCISION LESION OF LUNG
333	LOBECTOMY OF LUNG
332	SEGMENTAL RESECTION LUNG
333	TOTAL LARYNGECTOMY
334	TOTAL PNEUMONECTOMY
304	RADICAL LARYNGECTOMY
685	EXCISION SKIN LESION
311	TEMPORARY TRACHEOSTOMY
783	EXCISION BONE LESION
302	PARTIAL LARYNGECTOMY NEC

Diagnostic Category 04: ICDA8 172-1739
HICDA 1720-1739
HICDA2 172-1739



04 Malignant Neoplasm of Skin

ICDA8

01

0X1

1733 OTHER CA OF SKIN-OTHER AND UNSPECIFIED PARTS OF FACE
1736 OTHER CA OF SKIN-TRUNK, EXCEPT SCROTUM
1731 OTHER CA OF SKIN-EYELIDS, INCLUDING CANTHI
1732 OTHER CA OF SKIN-EAR AND EXTERNAL AURICULAR CANAL
1730 OTHER CA OF SKIN-LIPS
1734 OTHER CA OF SKIN-SCALP AND NECK
1733 MALIGNANT MELANOMA OF SKIN-OTHER AND UNSPECIFIED PARTS O
1737 OTHER CA OF SKIN-UPPER LIMB
1738 OTHER CA OF SKIN-LOWER LIMB
1739 OTHER CA OF SKIN-SITE UNSPECIFIED
1724 MALIGNANT MELANOMA OF SKIN-SCALP AND NECK
1722 MALIGNANT MELANOMA OF SKIN-EAR AND EXTERNAL AURICULAR CA

02

0X1

1729 MALIGNANT MELANOMA OF SKIN-SITE UNSPECIFIED
1726 MALIGNANT MELANOMA OF SKIN-TRUNK, EXCEPT SCROTUM
1728 MALIGNANT MELANOMA OF SKIN-LOWER LIMB
1727 MALIGNANT MELANOMA OF SKIN-UPPER LIMB
172 MALIGNANT MELANOMA OF SKIN

HICDA

01

0X1

1733 NEO MAL SKIN OTH FACE
1731 NEO MAL SKIN OF EYELIDS
1732 NEO MAL SKIN EAR CANAL
1736 NEO MAL SKIN TRUNK
1734 NEO MAL SKIN SCALP NECK
1723 MAL MELANOMA OTH FACE
1730 NEO MAL SKIN OF LIPS
1739 NEO MAL SKIN SITE NOS
1737 NEO MAL SKIN UPPER LIMB
1722 MAL MELANOMA EAR
1724 MAL MELANOMA SCALP NECK

02

0X1

1729 MAL MELANOMA OF SKIN NO
1728 MAL MELANOMA LOWER LIMB
1726 MAL MELANOMA TRUNK
1727 MAL MELANOMA UPPER LIMB
1720 MAL MELANOMA OF LIPS
1721 MAL MELANOMA OF EYELIDS

HICDA2

01

0X1

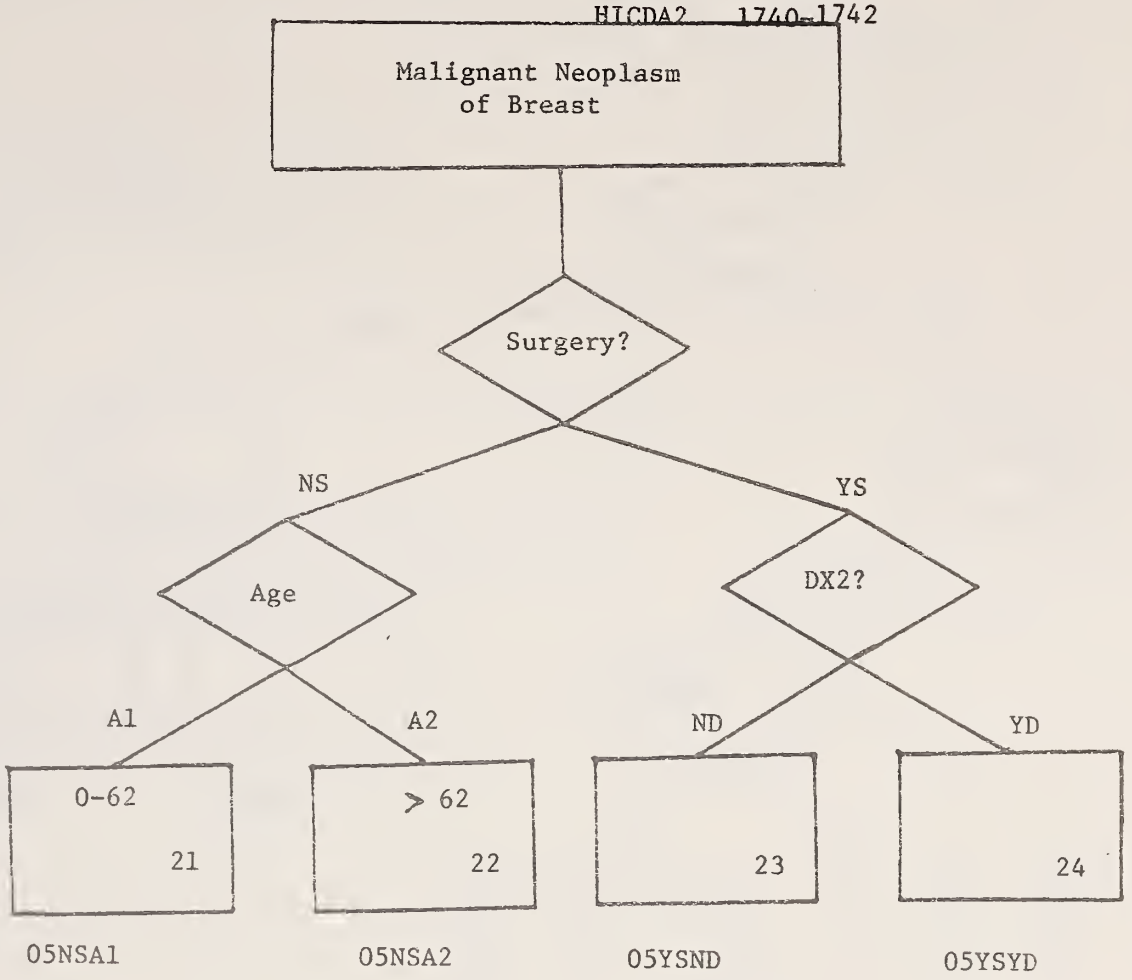
1733 MALIG NEO SKIN, FACE NEC
1731 MALIG NEO SKIN, EYELIDS
1734 MAL NEC SKIN, SCALP/NECK
1732 MALIG NEO SKIN, EAR
1736 MALIG NEO SKIN, TRUNK
1730 MALIG NEC SKIN, LIPS
1738 MALIG NEO SKIN, LEG
1737 MALIG NEO SKIN, ARM
1723 MALIG MELANOMA FACE NEC
1739 MALIG NEO SKIN NOS
1724 MAL MELANOMA SCALP/NECK
1722 MALIG MELANOMA EAR

02

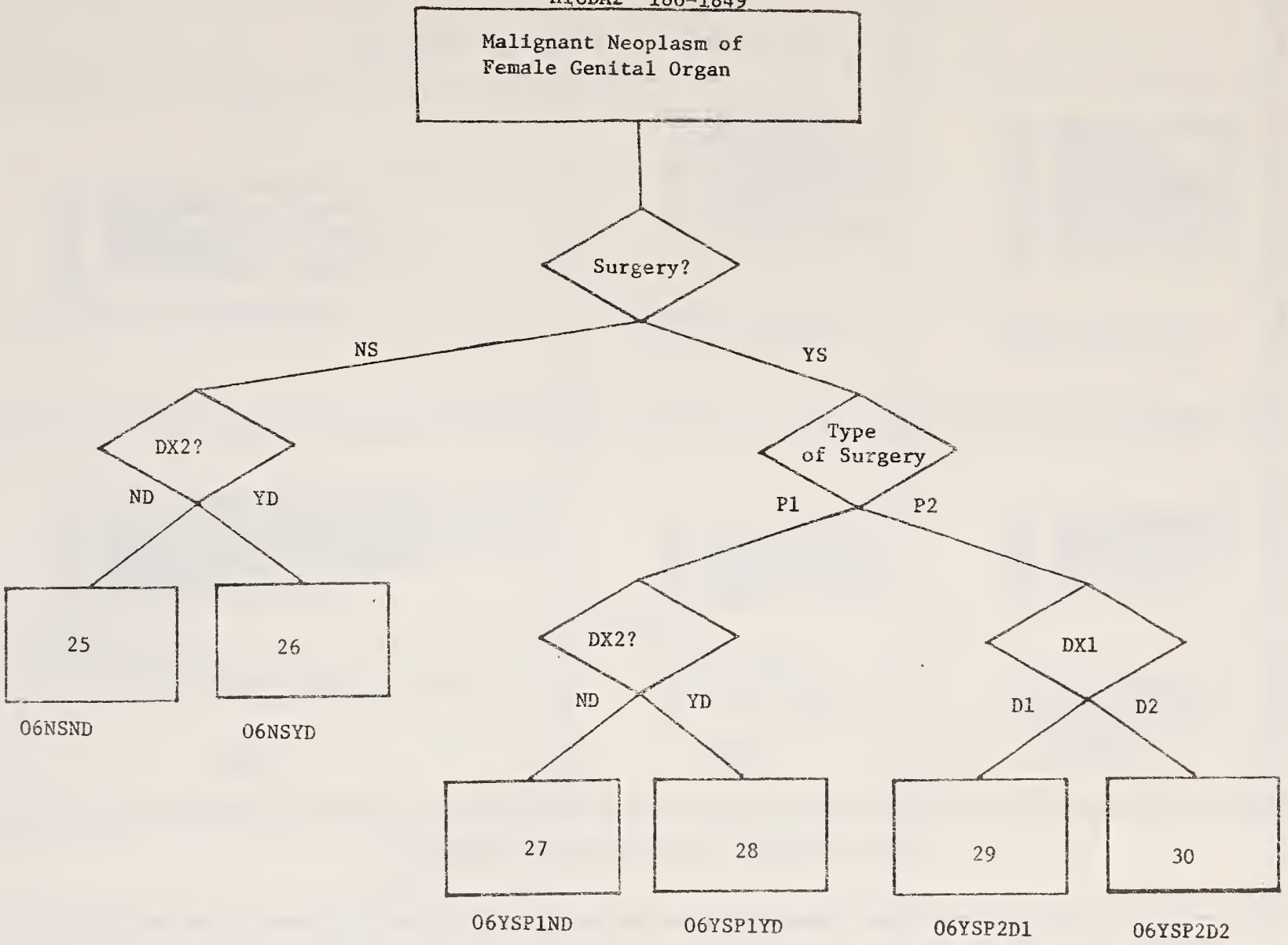
0X1

1729 MALIG MELANOMA NOS
1726 MALIG MELANOMA TRUNK
1728 MALIG MELANOMA LEG
1727 MALIG MELANOMA ARM
1721 MALIG MELANOMA EYELIDS

Diagnostic Category 05: ICDA8 174-1740
HICDA 1740-1742
HICDA2 1740-1742



Diagnostic Category 06: ICDA8 180-1849, 2340, 6211, 6291
HICDA 1800-1849, 6211, 6291
HICDA2 180-1849



06 Malignant Neoplasm of Female Genital Organ

ICDA8

P1

OPER1

703	DILATION AND CURETTAGE OF UTERUS
716	DILATION OF VAGINA
704	TRACHELECTOMY
694	VAGINAL HYSTERECTOMY TOTAL AND SUBTOTAL
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A25	BIOPSY OF INTERNAL FEMALE GENITAL ORGANS
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
711	LOCAL EXCISION AND DESTRUCTION OF LESION OF VAGINA
702	LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTER
709	OTHER OPERATIONS ON UTERUS, CERVIX AND SUPPORTING STRUC
A24	BIOPSY OF EXTERNAL FEMALE GENITAL ORGANS

P2

OPER1

692	ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
394	PERITONEOCENTESIS
693	ABDOMINAL HYSTERECTOMY, RADICAL
723	OTHER EXCISION OF VULVA AND PERINEUM
478	COLOSTOMY
675	SALPINGO-OOPHORECTOMY, BILATERAL
A27	BIOPSY OF BONE
671	LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY

HICDA

P1

OPER1

717	UTERINE D / C NON OBSTE
713	VAG HYSTERECT TOTAL PAR
994	IMPLANT RADIUM OR RADON
722	CONIZATION OF CERVIX
718	BIOPSY OF UTERUS CERVIX
916	NONSURG CYSTOSCOPY URET
738	BIOPSY OF VAGINA
961	DEEP RADIATION THERAPY

P2

OPER1

711	ABD HYSTERECTOMY TOTAL
551	EXPLORATORY LAPAROTOMY
554	ABDOMINAL PARACENTESIS
695	SALPING-OOPHORECT BILAT
761	THORACENTESIS
741	EXC VULVA PERINEUM LES
691	LOC EXCIS OVARIAN LESIO
712	ABD HYSTERECTOMY RADICA
715	PELV EXENTERATION EVISC
710	ABD HYSTERECTOMY PART
744	SIMPLE VULVECTOMY
745	RADICAL VULVECTOMY
475	COLOSTOMY
692	OOPHORECTOMY UNILATERAL

HICDA2

P1

OPER1

690	D&C
671	CERVICAL CONIZATION
925	CYSTOURETHROSCOPY
672	EXCIS CERVICAL LES NEC
684	VAGINAL HYSTERECTOMY
702	EXCISION VAGINAL LESION
712	EXCISION VULVAR LESION
653	UNIL SALPINGO-OOPHORECT

P2

OPER1

683	TOTAL ABD HYSTERECTOMY
542	LAPAROTOMY
540	ABDOMINAL PARACENTESIS
714	RADICAL VULVECTOMY
744	EXCISION PERITONEAL LES
652	UNILATERAL OOPHORECTOMY
685	RADICAL ABD HYSTERECTOMY
655	BILAT SALPINGO-OOPHORECT
715	VULVECTOMY NEC
340	THORACENTESIS
341	THORACOTOMY
651	EXCISION OVARIAN LESION
401	SIMPLE EXCIS LYMPH NODE

06 Malignant Neoplasm of Female Genital Organ (Cont'd)

ICDA8

YSP2D1

DX1

1820 OTHER CA OF UTERUS-CORPUS UTERI
2340 UNSPEC NEOPL OF UTERUS-CARCINOMA IN SITU OF CERVIX UTERI
1829 OTHER CA OF UTERUS-UNSPECIFIED

YSP2D2

DX1

1830 CA OF OVARY
180 CA OF CERVIX UTERI
1800 CA OF CERVIX UTERI
1841 CA OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS-VULVA
1840 CA OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS-VAGINA

HICDA

YSP2D1

DX1

1820 NEO MAL ENDOMETRIUM
1829 NEC MAL UTERUS NOS
1800 NEO MAL CARCINOMA SITU

YSP2D2

DX1

1830 NEO MAL OVARY
1809 NEO MAL CERVIX UTERI NO
1841 NEO MAL OF VULVA
1831 NEO MAL TUBE LIGAMENTS
1801 NEO MAL ENDOCERVIX

HICDA2

YSP2D1

DX1

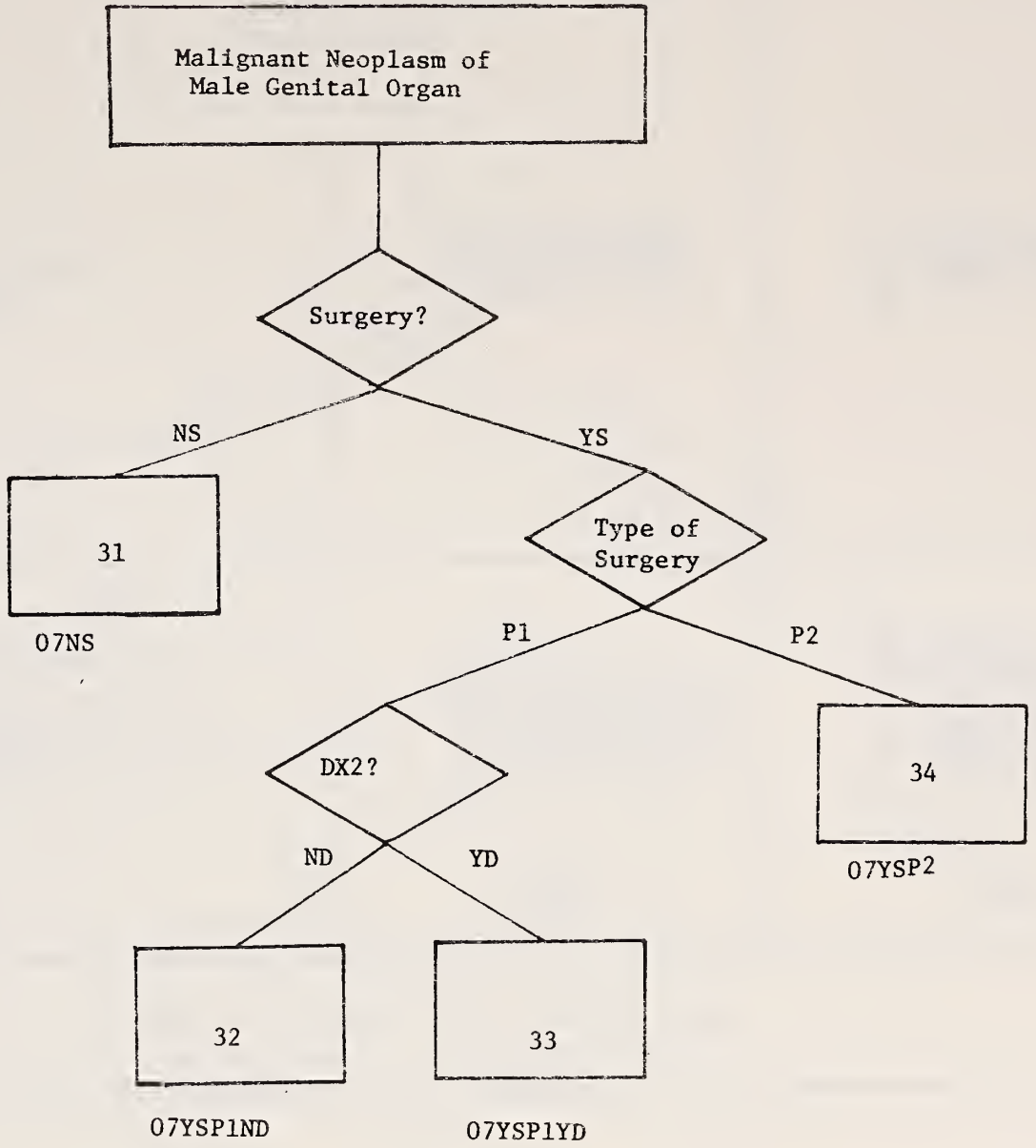
1820 MALIG NEO ENDOMETRIUM
1800 MALIG NEO CA IN SITU CX
1829 MALIG NEO UTERUS NOS

YSP2D2

DX1

1830 MALIGNANT NEOPLASM OVARY
1809 MALIG NEO CERVIX NOS
1841 MALIGNANT NEO VULVA
1801 MALIG NEO CERVIX NEC
1831 MAL NEO FALLOPIAN TUBE
1840 MALIGNANT NEO VAGINA

Diagnostic Category 07: ICDA8 185-1879
HICDA 185-1850, 186-1879
HICDA2 185-1879



07 Malignant Neoplasm of Male Genital Organ

ICDA8

P1

OPER1

595 ORCHIECTOMY, BILATERAL COMPLETE
446 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
422 BIOPSY OF MALE GENITAL ORGANS
594 ORCHIECTOMY, UNILATERAL
561 LOCAL EXCISION AND DESTRUCTION LESION OF BLADDER, TRANS
427 BIOPSY OF BONE
251 SIMPLE EXCISION OF LYMPH NODES AND LYMPH CYSTS
575 DILATION OF URETHRA
612 CIRCUMCISION
252 RADICAL EXCISION OF LYMPHATIC STRUCTURE
568 REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INC
613 AMPUTATION OF PENIS

P2

OPER1

582 PROSTATECTOMY, TRANSURETHRAL
581 PROSTATECTOMY, SUPRAPUBIC
583 PROSTATECTOMY, OTHER
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
017 HYPOPHYSECTOMY
030 LAMINECTOMY
560 CYSTOTOMY

HICDA

P1

OPER1

665 ORCHIECTOMY BILATERAL
916 NONSURG CYSTOSCOPY URET
650 BIOP PROST PERIPROST TI
622 TRANSURETH EXC MALIG LES
380 BONE MARROW ASPIRATION
378 BIOPSY OF LYMPH NODES
371 SIMPLE EXCIS LYMPH NODE
647 DILATATION OF URETHRA
362 SUPERVOLT MEGAVOLT IRRA
374 RAD EXCIS LYM STRUCT OT

P2

OPER1

652 PROSTATECTOMY TRANSURET
651 PROSTATECTOMY SUPRAPUBI
654 PROSTATECTOMY RADICAL
655 PROSTATECTOMY OTHER
653 PROSTATECTOMY PERINEAL

HICDA2

P1

OPER1

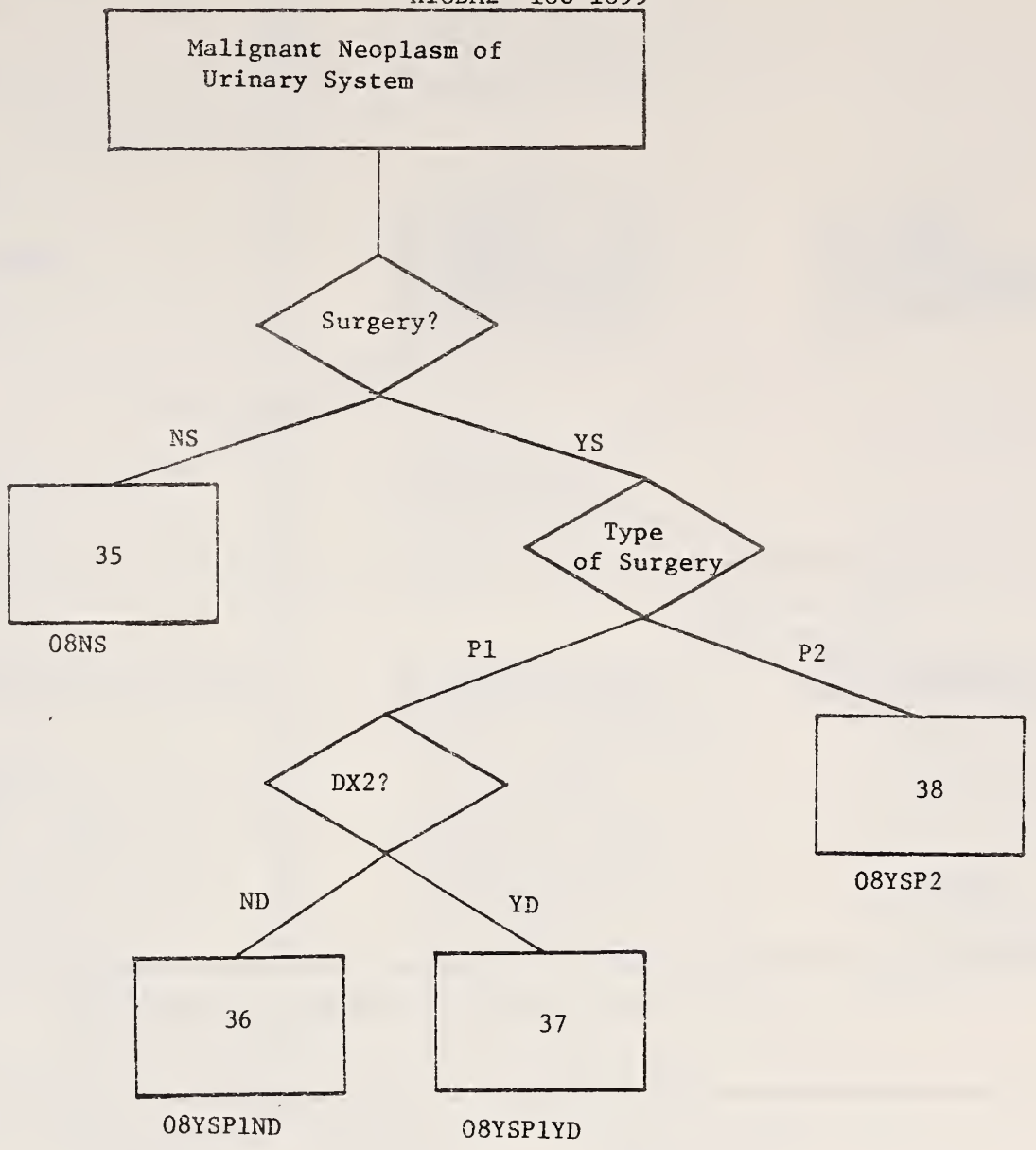
925 CYSTOURETHROSCOPY
623 BILATERAL ORCHIECTOMY
636 PROSTATECTOMY NEC
600 PERCUTAN PROSTATIC PUNCT
622 UNILATERAL ORCHIECTOMY
585 URETHRAL DILATION
573 TUR EXCISION BLADDER LES
401 SIMPLE EXCIS LYMPH NODE
642 EXCISION PENILE LESION
643 PENILE AMPUTATION
404 RADICAL LYMPHADENECT NEC
572 CYSTOSTOMY
542 LAPAROTOMY

P2

OPER1

602 TRANSURETH PROSTATECTOMY
603 SUPRAPUBIC PROSTATECTOMY
604 RETROPUBIC PROSTATECTOMY
605 RADICAL PROSTATECTOMY

Diagnostic Category 08: ICDA8 188-1899
HICDA 188-1899
HICDA2 188-1899



08 Malignant Neoplasm of Urinary System

ICDA8

P1

OPER1

501 LOCAL EXCISION AND DESTRUCTION LESION OF BLADDER, TRANS
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
582 PROSTATECTOMY, TRANSURETHRAL
A21 BIOPSY (CONTINUED)OF URINARY TRACT
575 DILATION OF URETHRA

P2

OPER1

563 CYSTECTOMY, COMPLETE OR PARTIAL
543 NEPHRECTOMY, COMPLETE
562 LOCAL EXCISION AND DESTRUCTION OF LESION OF BLADDER, OT
544 NEPHRECTOMY, PARTIAL
551 URETERECTOMY
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
552 URETEROSTOMY, CUTANEOUS OR EXTERNAL
032 CHORDOTOMY
563 CYSTOTOMY
A27 BIOPSY OF BONE
540 NEPHROTOMY
478 COLOSTOMY
474 RESECTION OF SMALL INTESTINE

HICDA

P1

OPER1

622 TRANSURETH EXC BLAD LES
652 PROSTATECTOMY TRANSURET
916 NEOPLAS CYSTOSCOPY URET
936 RETROGRADE PYELOGRAPHY

P2

OPER1

604 COMPLETE NEPHRECTOMY
624 PARTIAL CYSTECTOMY
623 LOC EXCIS URIN BLAD LES
628 BIOPSY BLAD PERIVES TIS
625 COMPLETE CYSTECTOMY
600 NEPHROTOMY
613 URETEROSTOMY CUTAN EXT
551 EXPLORATORY LAPAROTOMY
620 CYSTOTOMY
615 ANASTOMOSIS OF URETER
621 CYSTOSTOMY
603 PARTIAL NEPHRECTOMY

HICDA2

P1

OPER1

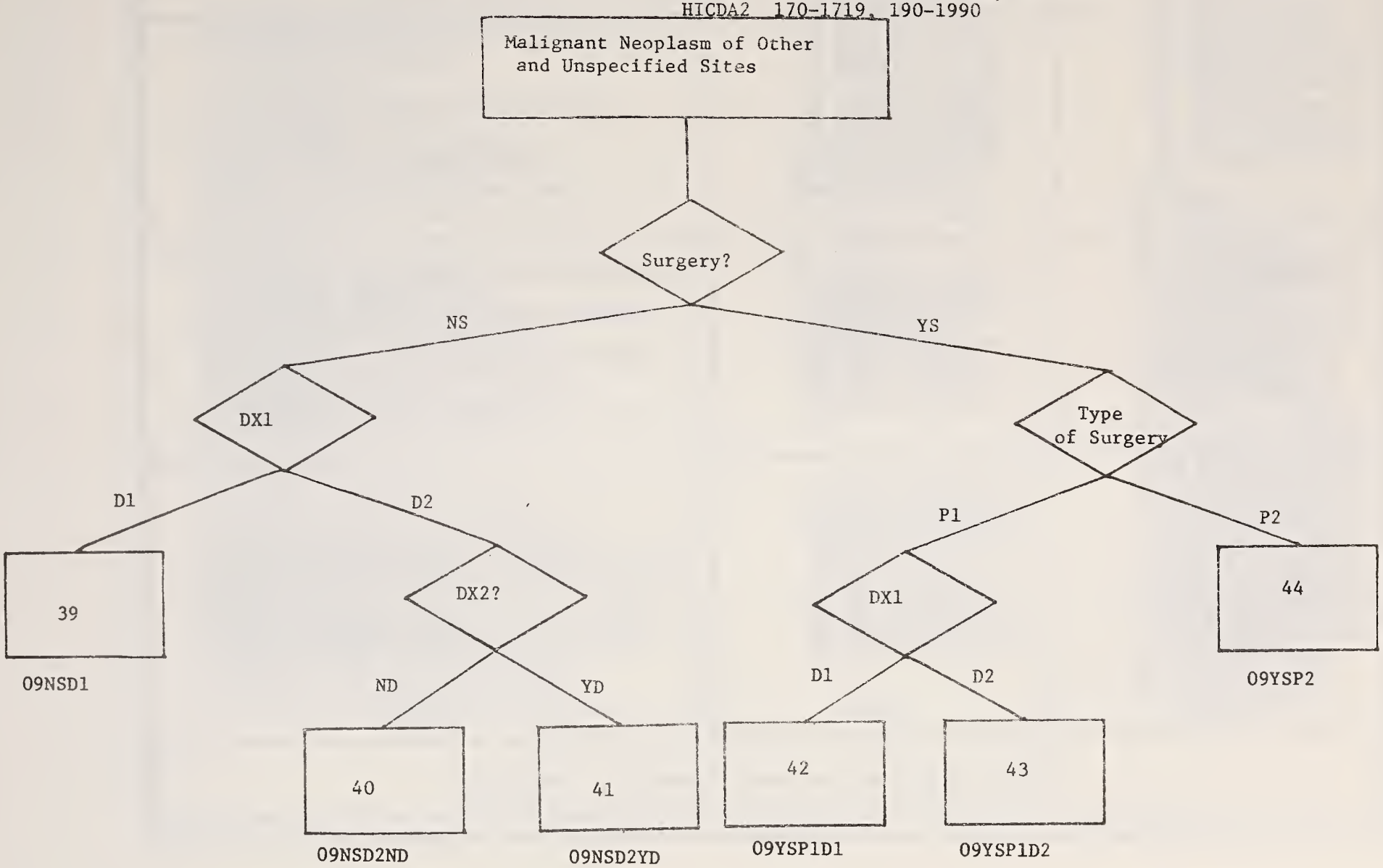
573 TUR EXCISION BLADDER LES
925 CYSTOURETHROSCOPY
602 TRANSURETH PROSTATECTOMY
585 URETHRAL DILATION

P2

OPER1

555 TOTAL NEPHRECTOMY
574 EXCISION BLADDER LES NEC
554 PARTIAL NEPHRECTOMY
575 PARTIAL CYSTECTOMY
576 TOTAL CYSTECTOMY
564 URETERO-ILEAL CONDUIT
572 CYSTOSTOMY
571 CYSTOTOMY
563 URETERECTOMY
542 LAPAROTOMY

Diagnostic Category 09: ICDA8 170-1719, 190-1991
HICDA 1700-1719, 190-1951, 1959-1990
HICDA2 170-1719, 190-1990



09 Malignant Neoplasm of Other and Unspecified Sites

ICDA8

D1

DX1

1925 CA OF SYMPATHETIC NERVOUS SYSTEM
1719 CA OF CONNECTIVE AND OTHER SOFT TISSUE-SITE UNSPECIFIED
1709 CA OF BONE-SITE UNSPECIFIED
1930 CA OF THYROID GLAND
1950 CA OF ILL-DEFINED SITES-ABDOMEN, INTRA-ABDOMINAL CANCER
190 CA OF EYE
1942 CA OF THYMUS
1712 CA OF CONNECTIVE AND OTHER SOFT TISSUE-UPPER LIMB (INCLU
1960 SECONDARY AND UNSPECIFIED CA OF LYMPH NODES-HEAD, FACE,
1713 CA OF CONNECTIVE AND OTHER SOFT TISSUE-LOWER LIMB (INCLU
1707 CA OF LOWER LIMB, LONG BONES
1711 CA OF CONNECTIVE AND OTHER SOFT TISSUE-TRUNK
1924 CA OF PERIPHERAL NERVES

D2

DX1

1990 MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE-MULTIPL
1985 OTHER CA BONE, SPECIFIED AS SECONDARY
1970 SECONDARY CA OF LUNG, SPECIFIED AS SECONDARY
191 CA OF BRAIN
1989 OTHER CA OTHER SITES, SPECIFIED AS SECONDARY
1991 MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE-OTHER
1977 SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-LIVER
1983 OTHER CA BRAIN, SPECIFIED AS SECONDARY
1959 CA OF ILL-DEFINED SITES-OTHER
1910 CA OF BRAIN
1929 CA OF OTHER PARTS OF NERVOUS SYSTEM-SITE UNSPECIFIED
1978 SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-LIVER
1706 CA OF PELVIC BONES, SACRUM, COCCYX
193 CA OF THYROID GLAND
1972 SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-PLEUR
1975 SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-LARGE

P1

OPER1

427 BIOPSY OF BONE
922 WIDE OR RADICAL EXCISION OF LESION OF SKIN
252 RADICAL EXCISION OF LYMPHATIC STRUCTURE
221 THYROIDECTOMY, PARTIAL OR SUBTOTAL
321 THORACENTESIS
320 THORACOTOMY AND PLEURECTOMY
A26 OTHER BIOPSY OF CIRCULATORY AND LYMPHATIC SYSTEMS
251 SIMPLE EXCISION OF LYMPH NODES AND LYMPH CYSTS
222 THYROIDECTOMY, COMPLETE OR TOTAL
101 REMOVAL OF EYEBALL
A16 BIOPSY OF THORAX
394 PERITONEOCENTESIS
674 OOPHORECTOMY, BILATERAL
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
345 SURGICAL COLLAPSE OF LUNG
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
A49 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
920 INCISION OF SKIN AND SUBCUTANEOUS TISSUE
A29 BIOPSY OF SKIN AND SUBCUTANEOUS TISSUE
395 EXCISION AND DESTRUCTION OF LESION OF ABDOMINAL WALL AN

HICDA

D1

DX1

1715 NEO MAL CON TISSUE NOS
1950 NEO MAL PRIM INTRA-ABDO
1930 NEO MAL THYROID GLAND
1709 NEO MAL BONE NOS
1929 NEO MAL NERVOUS SYS NOS
1707 NEO MAL LONG BONES LEG
1951 NEO MAL PRIM PELVIC
1960 NEO MAL LYMPH NODE HEAD
1910 NEO MAL CEREBRUM
1925 NEO MAL AUTONOMIC SYS
1900 NEO MAL OF EYE
1924 NEO MAL PERIPHERAL NERV
1913 NEO MAL PARIETAL LOBE
1706 NEO MAL PELV SACRUM COC
1713 NEO MAL CON TISSUE LEG
1911 NEO MAL FRONTAL LOBE
1711 NEO MAL CON TISSUE TRUN
1948 NEC MAL OTH ENDOCR GLAN

D2

DX1

1990 NEO MAL SECOND SITE NOS
1970 NEO MAL SECOND LUNG
1986 NEO MAL SECOND BONE
1983 NEO MAL SECOND BREAST
1989 NEO MAL SECOND OTH SITE
1977 NEO MAL SECOND LIVER
1959 NEO MAL PRIM LOC NOS
1975 NEO MAL SECOND LG INTES
1919 NEO MAL BRAIN NOS
1984 NEO MAL SECOND BRAIN
1972 NEO MAL SECOND PLEURA
1978 NEO MAL LIVER
1980 NEO MAL SECOND BLADDER
1979 NEO MAL SEC DIG ORG OTH

P1

OPER1

261 THORACENTESIS
891 LOC EXC SKIN SUBCUT LES
966 CHEMOTHERAPY IN CANCER
171 EXCIS LES EXTERNAL EAR
378 BIOPSY OF LYMPH NODES
961 THYROIDECTOMY SUBTOTAL
373 RADICAL NECK DISSECTION
554 ABDOMINAL PARACENTESIS
398 BIOPSY SKIN SUBCUTAN TI
892 RAD EXCIS SKIN LESION
950 ARTERIOGRAPHY HEAD NECK
916 NONSURG CYSTOSCOPY URET
371 SIMPLE EXCIS LYMPH NODE
264 EXCIS CHEST WALL LESION
962 THYROIDECTOMY TOTAL
903 FREE SKIN GRAFT OTH LOC
380 BONE MARROW ASPIRATION
946 RADIOISOTOPE SCAN EXAMI
915 NONSURG ENDOSCOPY
962 SUPERVOLT MEGAVOLT IRRA
556 EXCIS ABDOMINAL WALL LE
961 DEEP RADIATION THERAPY
268 BIOPSY CHEST WALL PLEUR
26C THORACOTOMY / PLEURITOM

HICDA2

D1

DX1

1739 MALIGNANT NEO BONE NOS
1719 MAL NEO SOFT TISSUE NOS
1929 MAL NEO NERVOUS SYS NOS
1930 MALIGNANT NEO THYROID
1964 MALIG LYMPH AXILLA & ARM
1925 MAL NEO AUTONOMIC SYSTEM
1950 MALIG PRIM INTRA-ABD
1707 MALIG NEO LONG BONES LEG
1960 MALIG LYMPH HEAD & NECK
1711 MAL NEO SOFT TISSU TRUNK
1900 MALIGNANT NEOPLASM EYE
1940 MALIGNANT NEO ADRENAL
1920 MALIG NEO CRANIAL NERVE
1713 MAL NEO SOFT TISSUE LEG
1704 MALIG NEO LONG BONES ARM
1951 MALIG PRIMARY PELVIC
1708 MAL NEO BONES ANKLE/FOOT
1922 MALIG NEO SPINAL CORD
1712 MAL NEG SOFT TISSUE ARM
1700 MAL NEO SKULL/FACE BONE
1924 MAL NEC PERIPHERAL NERVE

D2

DX1

1990 MALIG SECONDARY NOS
1986 MALIG SECONDARY BONE
1970 MALIG SECONDARY LUNG
1989 MALIG SECONDARY NEC
1977 MALIG SECONDARY LIVER
1984 MALIG SECONDARY BRAIN
1959 PRIMARY MALIGNANCY NOS
1919 MALIG NEO BRAIN NOS
1958 PRIMARY MALIGNANCY NEC
1985 MALIG SECONDARY NERV NEC
1983 MALIG SECONDARY BREAST
1972 MALIG SECONDARY PLEURA
1911 MALIG NEO FRONTAL LOBE
1982 MALIG SECONDARY SKIN
1975 MALIG SECONDARY LG BOWEL

P1

OPER1

885 EXCISION SKIN LESION
340 THORACENTESIS
401 SIMPLE EXCIS LYMPH NODE
543 ABDOMINAL PARACENTESIS
886 RADICAL EXCIS SKIN LES
403 RADICAL NECK DISSECTION
062 PART THYROIDECTOMY NEC
341 THORACOTOMY
544 EXCISION PERITONEAL LES
061 UNILAT THYROID LOBECTOMY
543 EXCISION ABD WALL LESION
525 CYSTOURETHROSCOPY
335 SURGICAL COLLAPSE LUNG
174 REMOVAL OF EYEBALL
344 EXCIS LESION CHEST WALL
923 ESOPHAGOGASTROSCOPY
063 COMPLETE THYROIDECTOMY
690 OOC
331 EXCISION LESION OF LUNG
181 EXCIS LESION EXT EAR
924 PROCTOSIGMOIDOSCOPY
655 BILAT SALPINGO-OOPHORECT

09 Malignant Neoplasm of Other and Unspecified Sites
(Cont'd)

ICDA8

P2

A10	BIOPSY OF INTRACRANIAL TISSUE
A17	BIOPSY OF DIAPHRAGM AND ABDOMINAL CAVITY
A18	BIOPSY OF STOMACH AND INTESTINES
A19	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
010	CRANIOTOMY
013	INCISION WITH DRAINAGE, INTRACRANIAL
016	EXCISION OF LESION AND TISSUE OF BRAIN AND CEREBRAL MEN
017	HYPOPHYSECTOMY
022	VENTRICULAR DRAINAGE OR SHUNTING
024	REVISION OR REMOVAL OF SHUNT
030	LAMINECTOMY
033	EXCISION AND DESTRUCTION OF LESION, SPINAL AND INTRASPI
051	SYMPATHECTOMY OR GANGLIONECTOMY
092	EXCISION OF ORBITAL CONTENTS
172	MASTOIDECTOMY, COMPLETE OR RADICAL
202	LARYNGECTOMY
205	EMERGENCY TRACHEOTOMY OR TRACHEOSTOMY
275	RECONSTRUCTION OF INTRA-ABDOMINAL ARTERIES BY GRAFT VES
278	SUTURE AND LIGATION, INTRA-ABDOMINAL VESSELS
279	OTHER OPERATIONS, INTRA-ABDOMINAL VESSELS
322	MEDIASTINOTOMY
324	PLEURECTOMY
340	PNEUMONOTOMY
342	SEGMENTAL RESECTION OF LUNG
343	LOBECTOMY
352	RESECTION OF ESOPHAGUS
353	ESOPHAGOSTOMY
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
421	EXCISION AND DESTRUCTION OF LESION OF LIVER
430	INCISION OF BILE (HEPATIC) DUCTS
432	ANASTOMOSIS OF BILE (HEPATIC) DUCTS
434	CHOLECYSTOTOMY
435	CHOLECYSTECTOMY
464	GASTROSTOMY
465	ANASTOMOSIS OF STOMACH
474	RESECTION OF SMALL INTESTINE
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
476	RESECTION OF COLON, COMPLETE OR TOTAL
478	COLOSTOMY
480	ANASTOMOSIS, SMALL TO SMALL INTESTINE
481	ANASTOMOSIS, SMALL INTESTINE TO LARGE INTESTINE
540	NEPHROTOMY
545	NEPHRECTOMY, COMPLETE
557	PASSAGE OF CATHETER TO KIDNEY
560	CYSTOTOMY
563	CYSTECTOMY, COMPLETE OR PARTIAL
568	REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INC
582	PROSTATECTOMY, TRANSURETHRAL
655	MASTECTOMY, RADICAL
692	ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
718	INCISION OF PELVIC PERITONEUM FOR DRAINAGE AND FREEING
804	EXCISION OF BONE, PARTIAL
815	INTERNAL FIXATION DEVICE WITHOUT FRACTURE REDUCTION
816	TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT
857	AMPUTATION OF LEG (THROUGH TIBIA AND FIBULA)
858	AMPUTATION OF THIGH AND DISARTICULATION OF KNEE
863	EXCISION AND DESTRUCTION OF LESION OF JOINT
864	EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK)

HICDA

P2

OPER1

551	EXPLORATORY LAPAROTOMY
010	CRANIOTOMY
527	BIOP LIVER PERCUTANEOUS
806	BIOPSY OF BONE
479	RESECT COLON SEGMENTAL
913	NONSURG BRONCHOSCOPY
016	EXCIS TIS BRN CEREB MEN
652	PROSTATECTOMY TRANSURET
475	COLOSTOMY
603	PARTIAL EXCISION OF BON
252	SEGMENTAL RESECTION LUN
030	LAMINECTOMY
834	EXCIS INTERVERTEB CARTI
023	VENTRIC SHUNT OR ANASTO
802	LOC EXCIS OF BONE LESIO
711	ABD HYSTERECTOMY TOTAL
823	OP REDUCT ONE W INT FIX
453	ANASTOMOSIS OF STOMACH
535	CHOLECYSTECTOMY
253	COMPLETE LOBECTOMY
394	RADICAL MASTECTOMY
032	CHORDOTOMY

HICDA2

P2

OPER1

010	CRANIAL TAP
011	CRANIOTOMY
014	EXCISION OF BRAIN LESION
015	EXCISION OF SKULL LESION
022	VENTRICULOSTOMY
023	VENTRICULAR SHUNT
029	BRAIN-SKULL OP NEC
030	SPINAL CORD EXPLORATION
033	EXCIS SPINAL CORD LESION
071	UNILATERAL ADRENALECTOMY
072	BILATERAL ADRENALECTOMY
075	HYPOPHYSECTOMY
203	MASTOIDECTOMY
311	TEMPORARY TRACHEOSTOMY
330	PNEUMONOTOMY
332	SEGMENTAL RESECTION LUNG
333	LOBECTOMY OF LUNG
342	MEDIASTINOTOMY
345	PLEURECTOMY
372	PERICAROTECTOMY
423	ESOPHAGEAL RESECTION
431	TEMPORARY GASTROSTOMY
432	PERMANENT GASTROSTOMY
434	EXCISION STOMACH LESION
436	PART GASTREC & S-DUODENOST
442	BYPASS GASTROENTEROSTOMY
452	EXCISION LG BOWEL LESION
455	SUBTOT RESECT-LG BOWEL
456	TOTAL COLECTOMY
457	SM-TO-SM BOWEL ANASTOMOS
458	SM-TO-LG BOWEL ANASTOMOS
461	COLOSTOMY
484	ABDOMINOPERINEAL RESECT
490	PERIANAL INCIS & EXCIS
500	PERCUTANEOUS LIVER ASPIR
502	EXCISION LIVER LESION
511	CHOLECYSTECTOMY
512	GB OR BILE DUCT ANASTOM
515	EXCISION BILE DUCT LES
519	BILIARY TRACT OP NEC
542	LAPAROTOMY
551	NEPHROTOMY & NEPHROSTOMY
555	TOTAL NEPHRECTOMY
602	TRANSURETH PROSTATECTOMY
683	TOTAL ABD HYSTERECTOMY
771	EXCIS FACIAL BONE LESION
772	PARTIAL OSTECTOMY-FACIAL
783	EXCISION BONE LESION
784	PARTIAL OSTECTOMY
787	INT FIXATION NO REDUCT
793	OPEN REDUCTION-INT FIXAT
804	EXCISION JOINT LESION
805	EXCISION INTERVERT DISC
847	BELOW KNEE AMPUTATION
848	ABOVE KNEE AMPUTATION
863	RADICAL MASTECTOMY

09 Malignant Neoplasm of Other and Unspecified Sites

(Cont'd)

ICDA8

YSP101

OX1	
1959	CA OF ILL-DEFINED SITES-OTHER
1989	OTHER CA OTHER SITES, SPECIFIED AS SECONDARY
193	CA OF THYROID GLAND
1991	MALIGNANT NEOPLASM ,ITHOUT SPECIFICATION OF SITE-OTHER
1930	CA OF THYROID GLAND
1960	SECONDARY AND UNSPECIFIED CA OF LYMPH NODES-HEAD, FACE,
190	CA OF EYE
1963	SECONDARY AND UNSPECIFIED CA OF LYMPH NODES-AXILLARY AN
1925	CA OF SYMPATHETIC NERVOUS SYSTEM
191	CA OF BRAIN
1982	OTHER CA SKIN, SPECIFIED AS SECONDARY
1710	CA OF CONNECTIVE AND OTHER SOFT TISSUE-HEAD, FACE, AND N
1709	CA OF BONE-SITE UNSPECIFIED
1964	SECONDARY AND UNSPECIFIED CA OF LYMPH NODES-INGUINAL AN
1900	CA OF EYE

YSP102

OX1	
1990	MALIGNANT NEOPLASM ,ITHOUT SPECIFICATION OF SITE-MULTIPL
1972	SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-PLEUR
1986	OTHER CA BONE, SPECIFIED AS SECONDARY
1970	SECONDARY CA OF LUNG, SPECIFIED AS SECONDARY
1951	CA OF ILL-DEFINED SITES-PELVIS, PELVIC VISCERA, RECTOVAG
1977	SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-LIVER
1976	SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-PERIT
1713	CA OF CONNECTIVE AND OTHER SOFT TISSUE-LOWER LIMB (INCLU
1980	OTHER CA BLADDER SPECIFIED AS SECONDARY
1942	CA OF THYMUS
1719	CA OF CONNECTIVE AND OTHER SOFT TISSUE-SITE UNSPECIFIED
1983	OTHER CA BRAIN, SPECIFIED AS SECONDARY
1711	CA OF CONNECTIVE AND OTHER SOFT TISSUE-TRUNK
1701	CA OF LOWER JAW BONE
1940	CA OF SUPRARENAL GLAND
1707	CA OF LOWER LIMB, LONG BONES
1703	CA OF RIBS, STERNUM, AND CLAVICLE
1975	SECONDARY CA OF RESPIRATORY AND DIGESTIVE SYSTEMS-LARGE
1950	CA OF ILL-DEFINED SITES-ABDOMEN, INTRA-ABDOMINAL CANCER
1700	CA OF BONES OF SKULL AND FACE

HICDA

YSP101

OX1	
1959	NEO MAL PRIM LOC NOS
1989	NEO MAL SECOND OTH SITE
1930	NEO MAL THYROID GLAND
1983	NEO MAL SECOND BREAST
1900	NEO MAL OF EYE
1719	NEO MAL CON TISSUE NOS
1982	NEO MAL SECOND SKIN
1960	NEO MAL LYMPH NODE HEAD
1710	NEC MAL CON TISSUE HEAD
1713	NEO MAL CON TISSUE LEG
1703	NEO MAL RIBS STERUM
1711	NEC MAL CON TISSUE TRUN
1976	NEO MAL SECOND PERITON

YSP102

OX1	
1950	NEO MAL SECOND SITE NOS
1970	NEO MAL SECOND LUNG
1986	NEO MAL SECOND BONE
1977	NEO MAL SECOND LIVER
1972	NEO MAL SECOND PLEURA
1980	NEO MAL SECOND BLADDER
1701	NEO MAL OF MANDIBLE
1919	NEO MAL BRAIN NOS
1975	NEO MAL SECOND LG INTES
1985	NEO MAL SECOND OTH NERV
1984	NEO MAL SECOND BRAIN
1950	NEO MAL PRIM INTRA-ABDO
1951	NEO MAL PRIM PELVIC
1707	NEO MAL LONG BONES LEG
1979	NEO MAL SEC DIG ORG OTH
1700	NEO MAL OF SKULL FACE
1917	NEO MAL BRAIN STEM

HICDA2

YSP101

OX1	
1989	MALIG SECONDARY NEC
1930	MALIGNANT NEO THYROID
1958	PRIMARY MALIGNANCY NEC
1959	PRIMARY MALIGNANCY NOS
1960	MALIG LYMPH HEAD & NECK
1982	MALIG SECONDARY SKIN
1964	MALIG LYMPH AXILLA & ARM
1713	MAL NEO SOFT TISSUE LEG
1712	MAL NEO SOFT TISSUE ARM
1711	MAL NEO SOFT TISSU TRUNK
1983	MALIG SECONDARY BREAST
1710	MAL NEC SOFT TISSUE HEAD
1925	MAL NEO AUTONOMIC SYSTEM
1719	MAL NEC SOFT TISSUE NOS
1965	MALIG LYMPH INGUIN & LEG

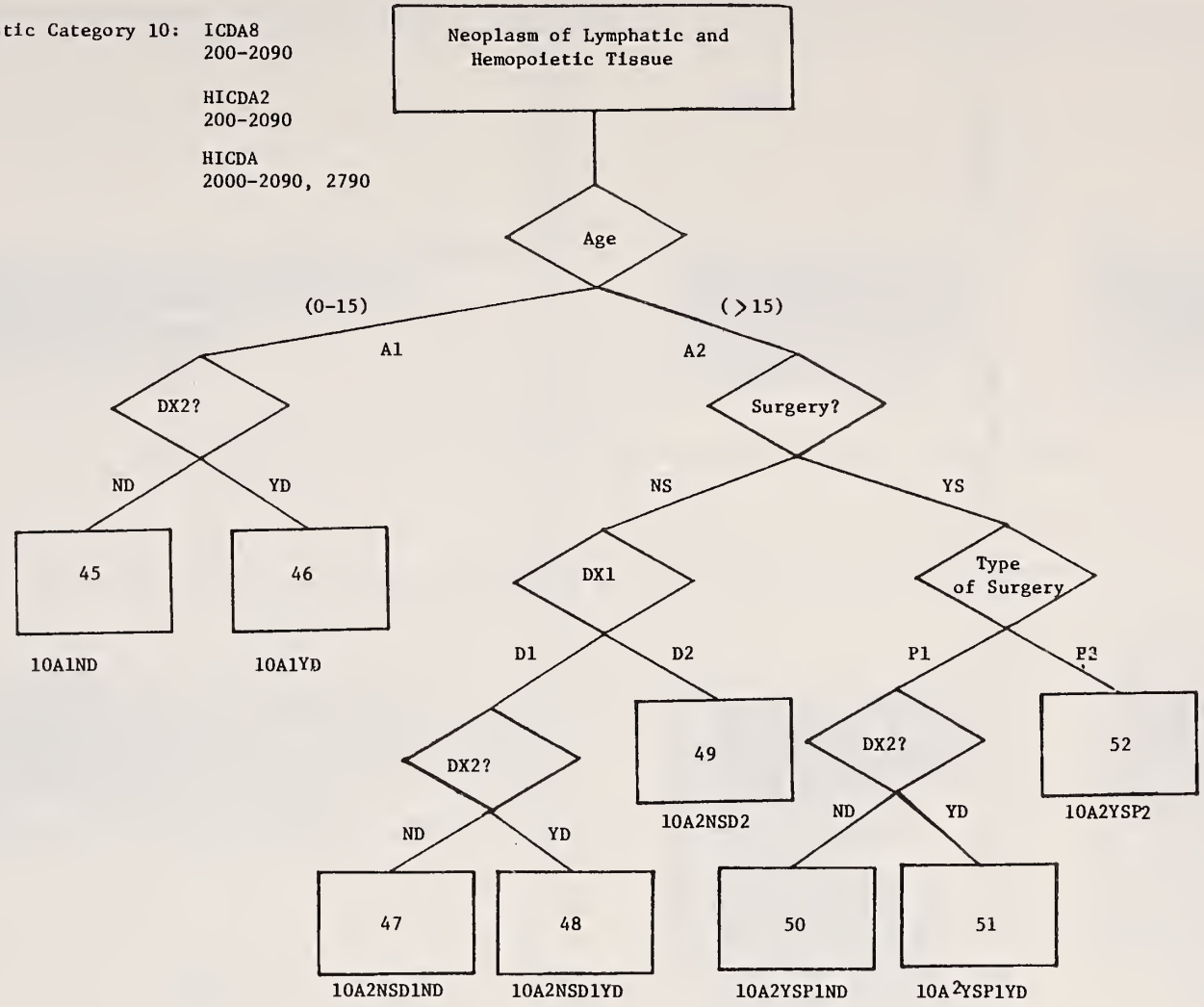
YSP102

OX1	
1970	MALIG SECONDARY LUNG
1972	MALIG SECONDARY PLEURA
1986	MALIG SECONDARY BONE
1976	MALIG SECONDARY PERITON
1977	MALIG SECONDARY LIVER
1950	MALIG PRIM INTRA-ABD
1700	MAL NEO SKULL/FACE BONE
1980	MALIG SECONDARY BLADDER
1707	MALIG NEO LONG BONES LEG
1940	MALIGNANT NEO ADRENAL
1979	MALIG SECONDARY GI NEC
1984	MALIG SECONDARY BRAIN
1975	MALIG SECONDARY LG BOWEL
1703	MALIG NEO RIBS & STERNUM
1985	MALIG SECONDARY NERV NEC
1704	MALIG NEO LONG BONES ARM

Diagnostic Category 10: ICDA8
200-2090

HICDA2
200-2090

HICDA
2000-2090, 2790



10 Neoplasm of Lymphatic and Hemopoietic Tissue

ICDA8

01

0X1

201 HODGKIN'S DISEASE
2022 OTHER NEOPLASMS OF LYMPHOID TISSUE-OTHER PRIMARY MALIGNA
2000 RETICULUM-CELL SARCOMA
2010 HODGKIN'S DISEASE
2001 LYMPHOSARCOMA
2090 MYELOFIBROSIS
2079 OTHER AND UNSPECIFIED LEUKEMIA-UNSPECIFIED
209 MYELOFIBROSIS
208 POLYCYTHEMIA VERA
2072 OTHER AND UNSPECIFIED LEUKEMIA-ACUTE ERYTHREMIA

02

0X1

2050 MYELOID LEUKEMIA-ACUTE
2040 LYMPHATIC LEUKEMIA-ACUTE
203 MULTIPLE MYELOMA
2051 MYELOID LEUKEMIA-CHRONIC
2030 MULTIPLE MYELOMA
2030 MULTIPLE MYELOMA
2041 LYMPHATIC LEUKEMIA-CHRONIC
2060 MONOCYTIC LEUKEMIA-ACUTE
2070 OTHER AND UNSPECIFIED LEUKEMIA-ACUTE
2021 OTHER NEOPLASMS OF LYMPHOID TISSUE-MYCOSIS FUNGOIDES
2020 OTHER NEOPLASMS OF LYMPHOID TISSUE-GIANT FOLLICULAR LYMP

HICDA

01

0X1

2001 LYMPHOSARCOMA
2022 NEO MAL PRIMARY LYM OTH
2079 LEUKEMIA UNSPECIFIED
2000 RETICULUM CELL SARCOMA
2090 MYELOPROLIFERAT DIS OTH
2080 POLYCYTHEMIA VERA
2059 MYELOCYT LEUKEMIA UNSPE
2029 NEO MAL LYMPHOMA OTHER

02

0X1

2030 MULTIPLE MYELOMA
2050 ACUT MYELOCYT LEUKEMIA
2041 CHRON LYMPHOCYT LEUKEMI
2010 HODGKINS S DISEASE
2070 ACUTE LEUKEMIA
2051 CHRON MYELOCYT LEUKEMIA
2040 ACUT LYMPHOCYT LEUKEMIA
2049 LYMPHOCYT LEUKEMIA UNS
2071 CHRONIC LEUKEMIA
2020 GIANT FOLLICUL LYMPHOMA

HICDA2

01

0X1

2019 HODGKINS NOS
2001 LYMPHOSARCOMA
2000 RETICULUM CELL SARCOMA
2022 MALIG LYMPHOMA NEC & NOS
2090 MYELOPROLIFERAT DIS NEC
2080 POLYCYTHEMIA VERA
2018 HODGKINS IN REMISSION
2079 LEUKEMIA NOS
2010 HODGKINS HEAD AND NECK
2058 MYE LEUKEM IN REMISSION
2072 ACUTE ERYTHREMIA
2059 MYELOCYTIC LEUKEMIA NOS

02

0X1

2030 MULTIPLE MYELOMA
2041 CHR LYMPHOCYTIC LEUKEMIA
2050 ACUT MYELOCYTIC LEUKEMIA
2051 CHR MYELOCYTIC LEUKEMIA
2040 ACUTE LYMPHOCYTIC LEUKEM
2070 ACUTE LEUKEMIA NOS
2021 MYCOSIS FUNGOIDES
2060 ACUTE MONOCYTIC LEUKEMIA
2048 LYM LEUKEM IN REMISSION
2049 LYMPHOCYTIC LEUKEMIA NOS

10 Neoplasm of Lymphatic and Hemopoietic Tissue (Cont'd)

ICDA8

P1

OPER1	
A27	BIOPSY OF BONE
A26	OTHER BIOPSY OF CIRCULATORY AND LYMPHATIC SYSTEMS
751	SIMPLE EXCISION OF LYMPH NODES AND LYMPH CYSTS
419	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
321	THORACENTESIS
A29	BIOPSY OF SKIN AND SUBCUTANEOUS TISSUE
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A16	BIOPSY OF THORAX

P2

OPER1	
451	SPLENECTOMY
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
320	THORACOTOMY AND PLEUROTOMY
010	CRANIOTOMY
03C	LAMINECTOMY
462	GASTRIC RESECTION, PARTIAL OR SUBTOTAL
692	ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL

HICDA

P1

OPER1	
380	BONE MARROW ASPIRATION
378	BIOPSY OF LYMPH NODES
261	THORACENTESIS
891	LOC EXC SKIN SUBCUT LES
371	SIMPLE EXCIS LYMPH NODE
527	BIOP LIVER PERCUTANEOUS
898	BIOPSY SKIN SUBCUTAN TI
808	BIOPSY OF BONE
916	NONSURG CYSTOSCOPY URET
463	RESECTION SMALL INTEST

P2

OPER1	
966	CHEMOTHERAPY IN CANCER
551	EXPLORATORY LAPAROTOMY
382	SPLENECTOMY
360	INCIS PERIPHERAL VESSEL
946	RADIOISOTOPE SCAN EXAMI
962	SUPERVOLT MEGAVOLT IRRA
971	PHYSICAL THERAPY
961	DEEP RADIATION THERAPY
993	EXCHANGE TRANSFUSION
535	CHOLECYSTECTOMY
913	NONSURG BRONCHOSCOPY
903	FREE SKIN GRAFT OTH LOC
030	LAMINECTOMY
931	MYELOGRAPHY
997	SPINAL PUNCTURE
558	BIOPSY ABD WALL PERITON
470	RESECT COLON SEGMENTAL
955	ARTERIOGRAPHY OTHER
892	RAD EXCIS SKIN LESION
570	REP HERN INGUIN NONRECU
950	ARTERIOGRAPHY HEAD NECK
658	BIOP PROST PERIPROST TI
841	ARTHROPLAS HIP W MEC OE
914	NONSURG ESOPHAGOSCOPY
915	NONSURG ENDOSCOPY
220	LARYNGOTOMY TRACHEOTOMY
608	BIOP KIDNEY PERIREN TIS
834	EXCIS INTERVERTEB CARTI

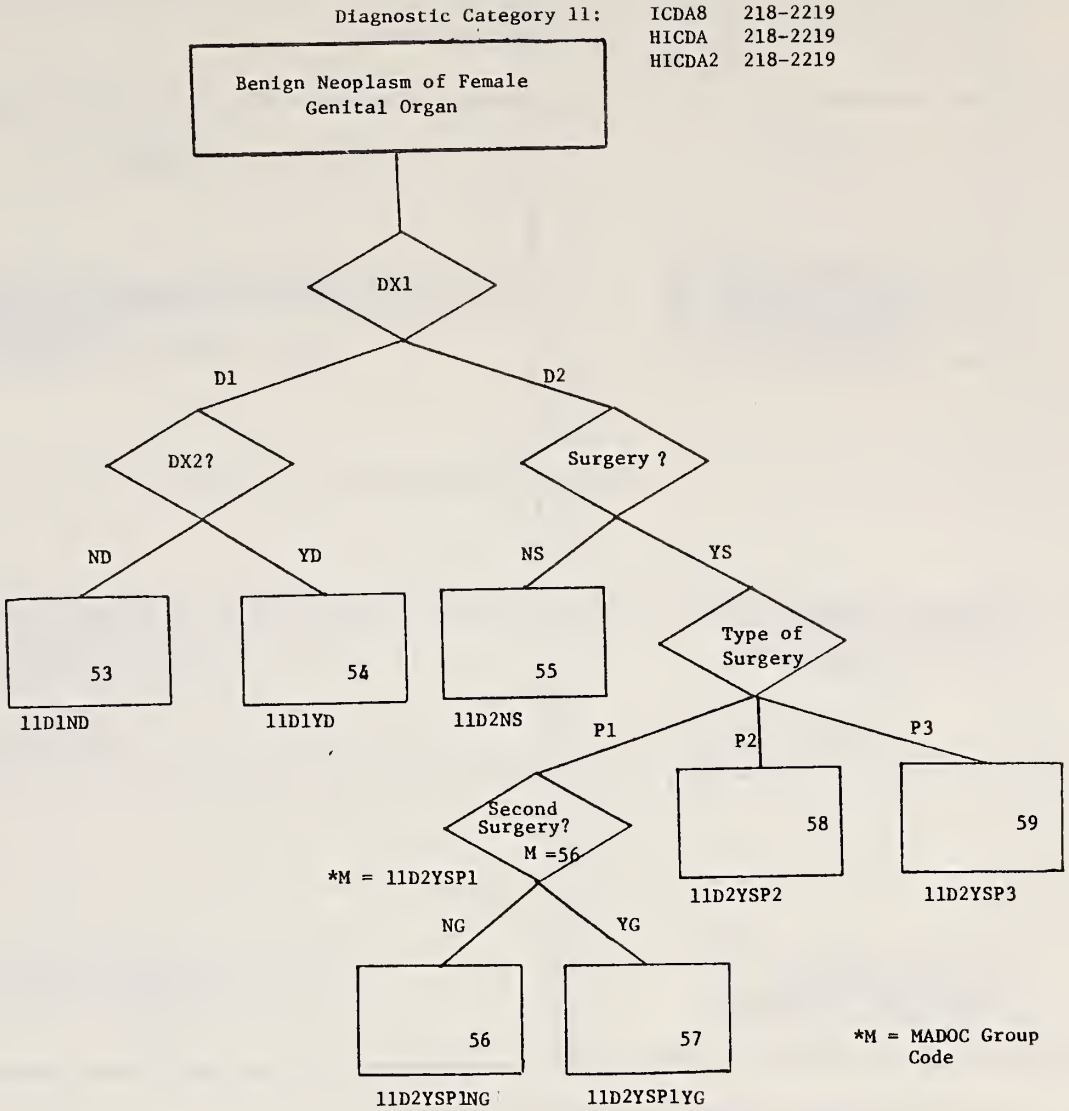
HICDA2

P1

OPER1	
401	SIMPLE EXCIS LYMPH NODE
783	EXCISION BONE LESION
885	EXCISION SKIN LESION
500	PERCUTANEOUS LIVER ASPIR
929	CYSTOURETHROSCOPY
340	THORACENTESIS
341	THORACOTOMY
602	TRANSURETH PROSTATECTOMY
333	EXCIS LES-MUSC TEND BURS
540	ABDOMINAL PARACENTESIS
860	EXCISION BREAST LESION
434	EXCISION STOMACH LESION

P2

OPER1	
413	SPLENECTOMY
542	LAPARCTOMY
532	EXCISION LIVER LESION
924	PROCTOSIGMOIDOSCOPY
922	BRONCHOSCOPY
923	ESOPHAGOGASTROSCOPY
380	ANGIOTOMY
333	EXCIS SPINAL CORD LESION
343	EXCIS LESION MEDIASTINUM
437	PART GASTREC & G-JEJUNOST
344	EXCIS LESION CHEST WALL
332	SEGMENTAL RESECTION LUNG
030	SPINAL CORD EXPLORATION
806	EXCIS SEMILUN CART-KNEE
392	SHUNT & GRAFT BYPASS NEC
544	EXCISION PERITONEAL LES
292	EXCISION LESION PHARYNX
345	PLEURECTOMY
424	INTRATHOR ANAST ESOPHAG
486	RADICAL EXCIS SKIN LES
512	GB OR BILE DUCT ANASTOM
251	EXCISION LESION TONGUE
311	TEMPORARY TRACHEOSTOMY


Diagnostic Category 11:
ICDA8 218-2219
HICDA 218-2219
HICDA2 218-2219
Benign Neoplasm of Female Genital Organ
DX1
D1
D2
DX2?
Surgery ?
ND
YD
NS
YS
53
11D1ND
54
11D1YD
55
11D2NS
Type of Surgery
P1
P2
P3
Second Surgery?
M =56
*M = 11D2YSP1
58
11D2YSP2
59
11D2YSP3
NG
YG
56
11D2YSP1NG
57
11D2YSP1YG
*M = MADOC Group Code

11 Benign Neoplasm of Female Genital Organ

ICDA8

01

0X1

2140 OTHER BEN NEOPL UTERUS-PAPILLOMA, POLYP
2212 BEN NEOPL VULVA
2211 BEN NEOPL VAGINA

02

0X1

2130 UTERINE FIBROMA
218 UTERINE FIBROMA
2201 BEN NEOPL OVARY-CYSTADENOMA; BENIGN OVARIAN CYST
2200 BEN NEOPL OVARY-TERATOMA (DERMOID) NOT SPECIFIED AS MAL
2210 BEN NEOPL FALLOPIAN TUBE AND BROAD LIGAMENT

HICDA

01

0X1

2190 NEO BEN PAPILLOMA
2212 NEO BEN VULVA
2211 NEO BEN VAGINA

02

0X1

2130 UTERINE FIBROMA
2201 NEO BEN CYSTADENOMA
2209 NEO BEN OVARY NOS
2199 NEO BEN UTERUS NOS
2200 NEC BEN TERATOMA NOS MA
2202 NEO BEN FIBROMA
2210 NEO BEN FALLTB UTERINE

HICDA2

01

0X1

2190 UTERINE PAPILLOMA/POLYP
2212 BENIGN NEOPLASM VULVA
2211 BENIGN NEOPLASM VAGINA

02

0X1

2130 UTERINE FIBROMA
2201 CYSTADENOMA, OVARY
2200 BENIGN TERATOMA, OVARY
2209 BENIGN NEO OVARY NEC/NOS
2199 BENIGN NEO UTERUS NEC

11 Benign Neoplasm of Female Genital Organ
(Cont'd)

ICDA8

P1

OPER1

703 DILATION AND CURETTAGE OF UTERUS
702 LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTER
716 DILATION OF VAGINA
453 PERITONEOSCOPY
682 SALPINGECTOMY, BILATERAL
689 OTHER OPERATIONS ON FALLOPIAN TUBE
670 OOPHORECTOMY

P2

OPER1

671 LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY
673 SALPINGO-OOPHORECTOMY, UNILATERAL
701 HYSTEROMYOMECTOMY
691 EXPLORATORY LAPAROTOMY OR CELIOTOMY
681 SALPINGECTOMY, UNILATERAL
674 OOPHORECTOMY, BILATERAL

P3

OPER1

692 ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
694 VAGINAL HYSTERECTOMY TOTAL AND SUBTOTAL
672 OOPHORECTOMY, UNILATERAL
675 SALPINGO-OOPHORECTOMY, BILATERAL

HICDA

P1

OPER1

719 UTERINE D / C NON OBSTE
923 PERITONEOSCOPY
718 BIOPSY OF UTERUS CERVIX
723 LOC EXCIS CERVIX LESION
705 LIG / DIV FALLOP T BILA
690 OOPHOROTOMY
555 CULDOCENTESIS
709 FALLOPIAN TUBE OPER OTH

P2

OPER1

551 EXPLORATORY LAPAROTOMY
691 LOC EXCIS OVARIAN LESIO
693 SALPING-OOPHORECT UNILA
562 DIVISION PERIT ADHESION
712 ABD HYSTERECTOMY RADICA
716 MYOMECTOMY

P3

OPER1

711 ABD HYSTERECTOMY TOTAL
713 VAG HYSTERECT TOTAL PAR
692 OOPHORECTOMY UNILATERAL
695 SALPING-OOPHORECT BILAT
694 OOPHORECTOMY BILATERAL
710 ABD HYSTERECTOMY PART

HICDA2

P1

OPER1

672 EXCIS CERVICAL LES NEC
650 OOPHOROTOMY
663 ENDOSCOP BIL TUBE LIGAT
700 CULDOCENTESIS
664 BILAT TUBE LIGATION NEC
657 LYSIS TUBO-OVARIAN ADHES
925 CYSTOURETHROSCOPY
671 CERVICAL CONIZATION
702 EXCISION VAGINAL LESION
659 OVARIAN OPERATION NEC
860 EXCISION BREAST LESION
701 VAGINOTOMY
662 BILAT TOTAL SALPINGECT
391 EXCISION LESION EYELID

P2

OPER1

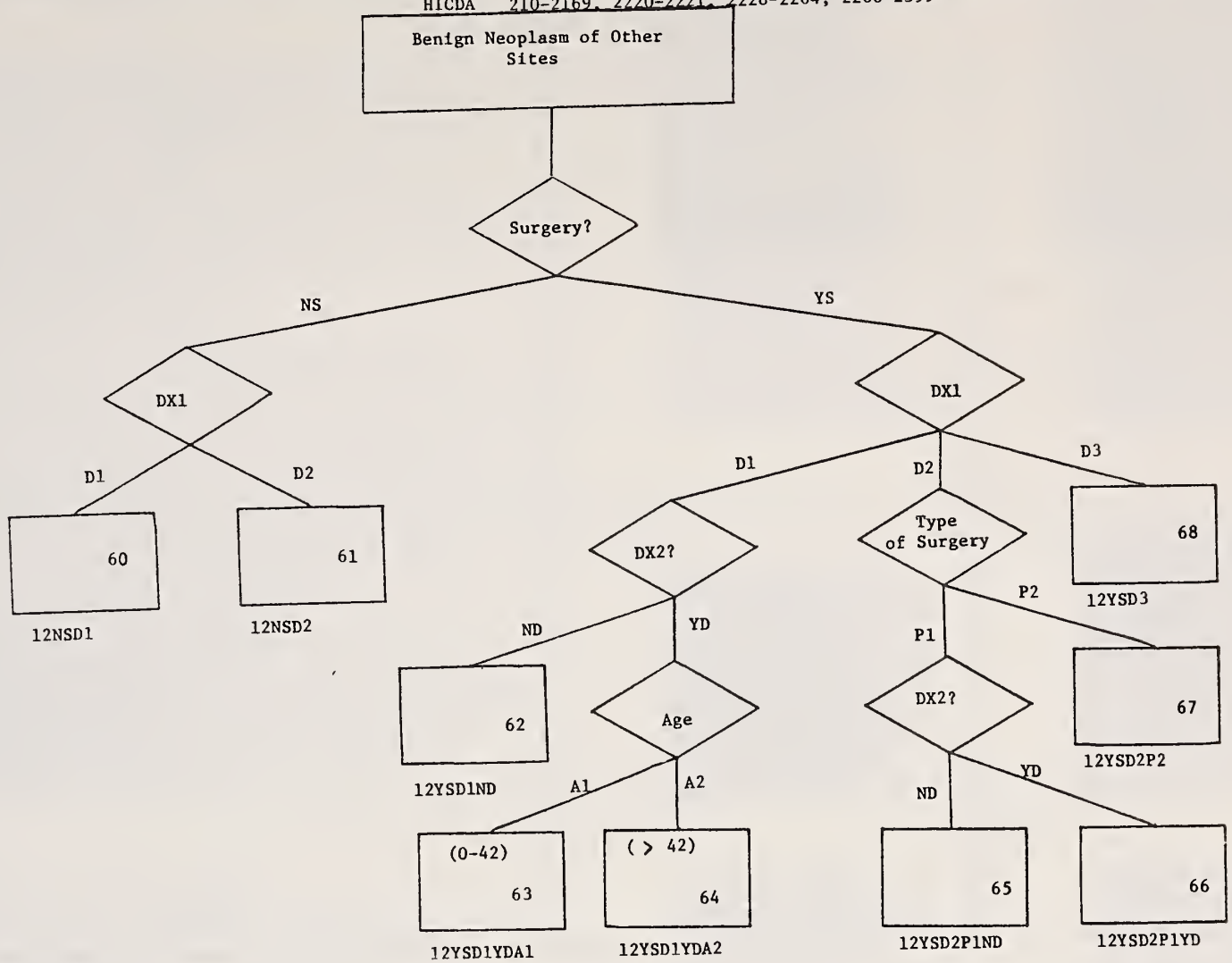
653 UNIL SALPINGO-OOPHORECT
542 LAPAROTOMY
545 LYSIS PERITONEAL ADHES
654 BILATERAL OOPHORECTOMY
665 SALPINGECTOMY NEC
673 TRACHELECTOMY

P3

OPER1

683 TOTAL ABD HYSTERECTOMY
684 VAGINAL HYSTERECTOMY
655 BILAT SALPINGO-OOPHORECT
682 SUBTOT ABD HYSTERECTOMY

Diagnostic Category 12: ICDA8 210-2169, 222-2330, 2341-2399, 2552, 7434, 7571
HICDA 2100-2169, 222-2259, 2260-2264, 2266-2399, 7434, 7571
HICDA 210-2169, 2220-2221, 2228-2264, 2266-2399



12 Benign Neoplasm of Other Sites

ICDA8

NSD1

0X1

2113 BEN NEOPL LARGE INTESTINE, EXCEPT RECTUM
2149 LIPOMA-OTHER AND UNSPECIFIED
2233 BEN NEOPL BLADDER
2114 BEN NEOPL RECTUM
7434 CONG ANOM-NEUROFIBROMATOSIS
2272 LYMPHANGIOMA
2130 BEN NEOPL BONE AND CARTILLAGE-EXOSTOSIS
2271 HEMANGIOMA OF OTHER SITES
2270 HEMANGIOMA OF SKIN
2330 UNSPEC NEOPL OF BREAST
224 BEN NEOPL EYE
7571 CONG ANOM-PIGMENTED NEVUS
2255 BEN NEOPL PERIPHERAL NERVES
2251 BEN NEOPL CRANIAL NERVES (INCLUDING OPTIC)
2102 BEN NEOPL SALIVARY GLAND
2140 LIPOMA-SKIN AND SUBCUTANEOUS TISSUE
2230 BEN NEOPL KIDNEY, EXCEPT PELVIS
2169 BEN NEOPL SKIN-UNSPECIFIED
2321 UNSPEC NEOPL OF SKIN AND MUSCULOSKELETAL SYSTEM-MUSCULAR
2131 BEN NEOPL BONE AND CARTILLAGE-OSTEOMA
2376 UNSPEC NEOPL OF OTHER GENITOURINARY ORGANS-BLADDER
229 BEN NEOPL OTHER AND UNSPECIFIED ORGANS AND TISSUES
2373 UNSPEC NEOPL OF OTHER GENITOURINARY ORGANS-KIDNEY, EXCEP
2100 BEN NEOPL SKIN-EPIDERMIS
2390 UNSPEC NEOPL OF OTHER AND UNSPECIFIED ORGANS-BUCCAL CAVI
2121 BEN NEOPL LARYNX
2119 BEN NEOPL OTHER PARTS OF DIGESTIVE SYSTEM-UNSPECIFIED S
2332 UNSPEC NEOPL-CRANIAL NERVES (INCLUDING OPTIC)
2584 UNSPEC NEOPL-SPINAL CORD

NSO2

0X1

2381 UNSPEC NEOPL-BRAIN
2399 UNSPEC NEOPL OF OTHER AND UNSPECIFIED ORGANS-OTHER AND U
2262 BEN NEOPL PITUITARY GLAND AND CRANIOPHARYNGEAL DUCT (PO
2259 BEN NEOPL BRAIN AND OTHER PARTS OF NERVOUS SYSTEM-UNSPE
2250 BEN NEOPL BRAIN
2115 BEN NEOPL LIVER AND BILIARY PASSAGES
2552 PHEOCHROMOCYTOMA
2168 BEN NEOPL SKIN-OTHER
2313 UNSPEC NEOPL OF RESPIRATORY ORGANS-BRONCHUS AND LUNG
2315 UNSPEC NEOPL OF RESPIRATORY ORGANS-MEDIASTINUM
2333 UNSPEC NEOPL OF DIGESTIVE ORGANS-LARGE INTESTINE, EXCLUD
2320 UNSPEC NEOPL OF SKIN AND MUSCULOSKELETAL SYSTEM-BONE AND
6252 BEN NEOPL CEREBRAL MENINGES
2123 BEN NEOPL BRONCHUS AND LUNG
2301 UNSPEC NEOPL OF DIGESTIVE ORGANS-STOMACH
2562 UNSPEC NEOPL OF OTHER FEMALE GENITAL ORGANS-VULVA
2117 BEN NEOPL OTHER PARTS OF DIGESTIVE SYSTEM-PERITONEUM AN
2350 UNSPEC NEOPL OF OVARY

HICDA

NSO1

0X1

2113 NEO BEN LG INTEST
2114 NEO BEN RECTUM
2330 NEO UNSPEC BREAST NOS
2376 NEO UNSPEC BLADDER
2311 NEO UNSPEC LARYNX
2341 NEO UNSPEC CERVIX UTERI
2305 NEO UNSPEC LIVER BILIAR
2140 LIPOMA SKN SUBCUT TIS
2380 NEO UNSPEC EYE
2340 NEO UNSPEC UTERUS
2270 HEMANGIOMA OF SKIN
2121 NEO BEN LARYNX
2321 NEO UNSPEC MUS CON TISS
2233 NEO BEN BLADDER
2230 NEO BEN KIDNEY
2322 NEO UNSPEC SKIN
2309 NEO UNSPEC DIG ORG NOS
2272 LYMPHANGIOMA
2310 NEO UNSPEC NOSE MID EAR
2349 NEO UNSPEC UTERUS NOS
2384 NEO UNSPEC SPINAL CORD

NSO2

0X1

2313 NEO UNSPEC BRONCHUS LUN
2399 NEO UNSPEC OTH SITE NOS
2381 NEO UNSPEC BRAIN
2303 NEO UNSPEC LG INTESTINE
2373 NEO UNSPEC KIDNEY
2391 NEO UNSPEC ENDOCRINE GL
2262 NEO BEN PITUITARY GLAND
2306 NEO UNSPEC PANCREAS
2315 NEO UNSPEC MEDIASTINUM
2390 NEO UNSPEC BUC CAV PHAR
2320 NEO UNSPEC BONE CAPTIAG
7434 NEUROFIBROMATOSIS
2111 NEO BEN STOMACH
2251 NEO BEN CRANIAL NERVES
2300 NEO UNSPEC ESOPHAGUS
2123 NEO BEN BRONCHUS LUNG
2268 NEO BEN ENDOCR GLAND OT
2304 NEO UNSPEC RECTUM
2301 NEO UNSPEC STOMACH
2290 NEO BEN OTH ORG NOS
2374 NEC UNSPEC PELVIS KIDNE
2102 NEO BEN SALIVARY GLAND
2252 NEO BEN CEREB MENINGES
2259 NEO BEN NERVOUS SYS NOS

HICDA2

NSD1

0X1

2113 BENIGN NEOPLASM LG BOWEL
2230 BENIGN NEOPLASM KIDNEY
2376 NEOPLASM BLADDER NOS
2304 NEOPLASM SPINAL CORD NOS
2330 NEOPLASM BREAST NOS
2130 EXOSTOSIS
2114 BENIGN NEOPLASM RECTUM
2150 BEN NEO MUSCULOSKEL NEC
2233 BENIGN NEOPLASM BLADDER
2149 LIPOMA NEC & NOS
2389 NEOPLASM NERVOUS SYS NOS
2390 NEOPLASM BUCC/PHAR NOS
2163 BENIGN NEOPLASM DERMIS
2270 HEMANGIOMA OF SKIN
2104 BENIGN NEO MOUTH NEC/NOS
2131 OSTEOMA
2380 NEOPLASM EYE NOS
2266 BENIGN NEOPLASM THYMUS
2272 LYMPHANGIOMA
2361 NEOPLASM VAGINA NOS
2240 BENIGN NEOPLASM EYE
2119 BENIGN NEO GI SYSTEM NOS
2305 NEOPLASM GB/LIVER NOS

NSO2

0X1

2381 NEOPLASM BRAIN NOS
2262 BENIGN NEO PITUITARY
2313 NEOPLASM BRONCH/LUNG NOS
2399 NEOPLASM NEC & NOS
2250 BENIGN NEOPLASM BRAIN
2251 BENIGN NEO CRANIAL NERVE
2280 BENIGN NEOPLASM NEC/NOS
2373 NEOPLASM KIDNEY NOS
2391 NEOPLASM ENDOCRINE NOS
2386 NEUROFIBROMATOSIS
2259 BENIGN NEO NERV SYS NUS
2111 BENIGN NEOPLASM STOMACH
2115 BEN NEO LIVER/BILE DUCTS
2261 BENIGN NEO ADREN MEDULLA
2255 BENIGN NEO PERIPH NERVE
2320 NEOPLASM BONE/CART NOS
2252 BEN NEO CEREB MENINGES
2123 BENIGN NEO BRONCHUS-LUNG
2383 NEOPLASM CEREB MENIN NOS
2139 BENIGN NEO BONE/CART NEC
2336 NEOPLASM PANCREAS NOS
2303 NEOPLASM LG BOWEL NOS
2264 BENIGN NEO PARATHYROID
2116 BENIGN NEOPLASM PANCREAS

12 Benign Neoplasm of Other Sites

(Cont'd)

ICDA8

YSO1

DX1

2140 LIPOMA-SKIN AND SUBCUTANEOUS TISSUE
2149 LIPOMA-OTHER AND UNSPECIFIED
2233 BEN NEOPL BLADDER
2130 BEN NEOPL BONE AND CARTILAGE-EXOSTOSIS
2102 BEN NEOPL SALIVARY GLAND
7571 CONG ANOM-PIGMENTED NEVUS
2169 BEN NEOPL SKIN-OTHER
2271 HEMANGIOMA OF OTHER SITES
2270 HEMANGIOMA (OF SKIN)
2160 BEN NEOPL SKIN-EPIDERMIS
2376 UNSPEC NEOPL OF OTHER GENITOURINARY ORGANS-BLADDER
2150 OTHER BEN NEOPL MUSCULAR AND CONNECTIVE TISSUE
2290 BEN NEOPL OTHER AND UNSPECIFIED ORGANS AND TISSUES
2322 UNSPEC NEOPL OF SKIN AND MUSCULOSKELETAL SYSTEM-SKIN
2169 BEN NEOPL SKIN-UNSPECIFIED
2239 BEN NEOPL KIDNEY AND OTHER URINARY ORGANS-OTHER SPECIFI
2121 BEN NEOPL LARYNX
229 BEN NEOPL OTHER AND UNSPECIFIED ORGANS AND TISSUES
2390 UNSPEC NEOPL OF OTHER AND UNSPECIFIED ORGANS-BUCCAL CAVI
2194 BEN NEOPL BUCCAL CAVITY AND PHARYNX-OTHER AND UNSPECIFI
219 OTHER BEN NEOPL MUSCULAR AND CONNECTIVE TISSUE
2161 BEN NEOPL SKIN-HAIR FOLLICLES AND SEBACEOUS GLANDS
2132 BEN NEOPL BONE AND CARTILAGE-CHONDROMA, ENCHONDROMA

YSD2

DX1

2113 BEN NEOPL LARGE INTESTINE, EXCEPT RECTUM
2114 BEN NEOPL RECTUM
2255 BEN NEOPL PERIPHERAL NERVES
2399 UNSPEC NEOPL OF OTHER AND UNSPECIFIED ORGANS-OTHER AND U
2139 BEN NEOPL BONE AND CARTILAGE-OTHER AND UNSPECIFIED
2472 LYMPHANGIOMA
2313 UNSPEC NEOPL OF RESPIRATORY ORGANS-BRONCHUS AND LUNG
7434 CONG ANOM-NEUROFIBROMATOSIS
2310 UNSPEC NEOPL OF RESPIRATORY ORGANS-NOSE, NASAL CAVITIES,
2303 UNSPEC NEOPL OF DIGESTIVE ORGANS-LARGE INTESTINE, EXCLUD
2320 UNSPEC NEOPL OF SKIN AND MUSCULOSKELETAL SYSTEM-BONE AND
2321 UNSPEC NEOPL OF SKIN AND MUSCULOSKELETAL SYSTEM-MUSCULAR
2362 UNSPEC NEOPL OF OTHER FEMALE GENITAL ORGANS-VULVA
2349 UNSPEC NEOPL OF UTERUS-OTHER AND UNSPECIFIED PART

YSO3

DX1

2252 BEN NEOPL CEREBRAL MENINGES
2111 BEN NEOPL STOMACH
2123 BEN NEOPL BRONCHUS AND LUNG
2251 BEN NEOPL CRANIAL NERVES (INCLUDING OPTIC)
2262 BEN NEOPL PITUITARY GLAND AND CRANIOPHARYNGEAL DUCT (PO
2259 BEN NEOPL BRAIN
2115 BEN NEOPL LIVER AND BILIARY PASSAGES
2259 BEN NEOPL BRAIN AND OTHER PARTS OF NERVOUS SYSTEM-UNSPE

2110 BEN NEOPL ESOPHAGUS
2370 UNSPEC NEOPL OF OTHER GENITOURINARY ORGANS-TESTIS
2304 UNSPEC NEOPL OF DIGESTIVE ORGANS-RECTUM
2254 BEN NEOPL SPINAL MENINGES
2253 BEN NEOPL SPINAL CORD
2307 UNSPEC NEOPL OF DIGESTIVE ORGANS-PERITONEUM
2373 UNSPEC NEOPL OF OTHER GENITOURINARY ORGANS-KIDNEY, EXCEP

HICDA

YSO1

DX1

2140 LIPOMA SKN SUBCUT TIS
2330 NEO UNSPEC BREAST NOS
2376 NEO UNSPEC BLADDER
2390 NEC UNSPEC BUC CAV PHAR
2130 NEO BEN EXOSTOSIS
2102 NEO BEN SALIVARY GLAND
2233 NEO BEN BLADDER
2322 NEO UNSPEC SKIN
2149 LIPOMA NOS
2280 NEO BEN OTH ORG NOS
2150 NEO BEN OTH MUSC CONNT
2311 NEO UNSPEC LARYNX
2121 NEO BEN LARYNX
7571 CONG PIGMENTED NEVUS
2169 NEO BEN SKIN NOS
2271 HEMANGIOMA OTHER SITES
2270 HEMANGIOMA OF SKIN
2341 NEO UNSPEC CERVIX UTERI
2160 NEO BEN SKIN EPIDERMIS

YSO2

DX1

2113 NEO BEN LG INTEST
2399 NEO UNSPEC OTH SITE NOS
2114 NEO BEN RECTUM
2313 NEO UNSPEC BRONCHUS LUN
2303 NEO UNSPEC LG INTESTINE
2320 NEO UNSPEC BONE CARTIAG
2304 NEO UNSPEC RECTUM
2255 NEO BEN PERIPHERAL NERV
2321 NEO UNSPEC MUS CON TISS
2139 NEO BEN BONE CART NOS
2373 NEO UNSPEC KIDNEY
2350 NEO UNSPEC OVARY
2340 NEO UNSPEC ESOPHAGUS
2349 NEO UNSPEC UTERUS
2306 NEO UNSPEC PANCREAS
2362 NEO UNSPEC VULVA

YSO3

DX1

2264 NEO BEN PARATHYROID GLD
2111 NEO BEN STOMACH
2391 NEO UNSPEC BRAIN
2123 NEO BEN BRONCHUS LUNG
2252 NEO BEN CEREB MENINGES
2262 NEO BEN PITUITARY GLAND
2391 NEO UNSPEC ENDOCRINE GL
2230 NEO BEN KIDNEY
2250 NEO BEN BRAIN
2254 NEO BEN SPINAL MENINGES
2259 NEO BEN NERVOUS SYS NOS

2251 NEO BEN CRANIAL NERVES
2253 NEO BEN SPINAL CORD
2110 NEO BEN ESOPHAGUS
2384 NEO UNSPEC SPINAL CORD
2115 NEO BEN LIVER BILE DUCT

HICDA2

YSO1

DX1

2140 LIPOMA SKIN SUBCUT TIS
2149 LIPOMA NEC & NOS
2233 BENIGN NEOPLASM BLADDER
2164 PIGMENTED NEVUS
2130 EXOSTOSIS
2102 BENIGN NEOPLASM SALIVARY
2163 BENIGN NEOPLASM DERMIS
2270 HEMANGIOMA OF SKIN
2280 BENIGN NEOPLASM NEC/NOS
2169 BENIGN NEOPLASM SKIN NOS
2150 BEN NEO MUSCULOSKEL NEC
2160 BENIGN NEO EPIDERMIS
2271 HEMANGIOMA NEC
2234 BENIGN NEOPLASM URETHRA
2121 BENIGN NEO LARYNX
2330 NEOPLASM BREAST NOS
2376 NEOPLASM BLADDER NOS
2399 NEOPLASM NEC & NOS
2240 BENIGN NEOPLASM EYE
2272 LYMPHANGIOMA
2104 BENIGN NEO MOUTH NEC/NOS

YSD2

DX1

2113 BENIGN NEOPLASM LG BOWEL
2114 BENIGN NEOPLASM RECTUM
2255 BENIGN NEO PERIPH NERVE
2139 BENIGN NEO BONE/CART NEC
2313 NEOPLASM BRONCH/LUNG NOS
2303 NEOPLASM LG BOWEL NOS
2112 BENIGN NEOPLASM SM BOWEL
2304 NEOPLASM RECTUM NOS
2320 NEOPLASM BONE/CART NOS
2119 BENIGN NEO GI SYSTEM NOS
2116 BENIGN NEOPLASM PANCREAS

YSO3

DX1

2111 BENIGN NEOPLASM STOMACH
2262 BENIGN NEO PITUITARY
2252 BEN NEO CEREB MENINGES
2264 BENIGN NEO PARATHYROID
2123 BENIGN NEO BRONCHUS-LUNG
2259 BENIGN NEO NERV SYS NOS
2250 BENIGN NEOPLASM BRAIN
2110 BENIGN NEO ESOPHAGUS
2230 BENIGN NEOPLASM KIDNEY
2251 BENIGN NEO CRANIAL NERVE
2115 BEN NEO LIVER/BILE DUCTS
2391 NEOPLASM ENDOCRINE NOS
2253 BENIGN NEO SPINAL CORD
2381 NEOPLASM BRAIN NOS
2261 BENIGN NEO ADREN MEDULLA
2266 BENIGN NEOPLASM THYMUS
2263 BENIGN NEOPLASM PINEAL

12 Benign Neoplasm of Other Sites

(Cont'd)

ICDA8

YS02P1

OPER1

472	LOCAL EXCISION AND DESTRUCTION OF LESION OF INTESTINE
445	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
332	LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM
042	EXCISION AND DESTRUCTION OF LESION OF PERIPHERAL NERVE
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
804	EXCISION OF BONE, PARTIAL
512	LOCAL EXCISION AND DESTRUCTION OF LESION OF ANUS
443	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OF LESION
418	BIOPSY OF STOMACH AND INTESTINES
427	BIOPSY OF BONE
923	INCISION OF SKIN AND SUBCUTANEOUS TISSUE
251	SIMPLE EXCISION OF LYMPH NODES AND LYMPH CYSTS

YS02P2

OPER1

472	RESECTION OF COLON, PARTIAL OR SUBTOTAL
470	ENTERECTOMY
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
444	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
013	CRANIOTOMY
429	BIOPSY OF SKIN AND SUBCUTANEOUS TISSUE
478	COLOSTOMY
503	RECTOTECTOMY
446	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
223	EXCISION AND DESTRUCTION OF LESION OF MEDIASTINUM
408	DIVISION OF PERITONEAL ADHESIONS
320	THORACOTOMY AND PLEUROTOMY
252	RADICAL EXCISION OF LYMPHATIC STRUCTURE
032	CHORDOTOMY
544	NEPHRECTOMY, PARTIAL
864	EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK)

HICDA

YS02P1

OPER1

501	LOC EXCIS RECTAL LESION
462	LOC EXCIS LG INTEST LES
915	NONSURG ENDOSCOPY
891	LOC EXC SKIN SUBCUT LES
913	NONSURG BRONCHOSCOPY
852	EXCIS MUSC TEND EXC HAN
506	RICP RECTUM PERIRECT TI
042	EXC PERIPHERAL NERVE LE
719	UTERINE I / C NON OBSTE
711	ABD HYSTERECTOMY TOTAL
921	THORACOSCOPY TRANSPLEUR
371	SIMPLE EXCIS LYMPH NODE
378	BIOPSY OF LYMPH NODES
468	BIOPSY INTESTINE COLON
264	EXCIS CHEST WALL LESION
892	RAD EXCIS SKIN LESION
513	HEMORRHOIDECTOMY

YS02P2

OPER1

470	RESECT COLON SEGMENTAL
551	EXPLORATORY LAPAROTOMY
460	GASTRECTOMY
502	PROCTECTOMY
258	BIOPSY OF LUNG
741	EXC VULVA PERINEUM LES
260	THORACOTOMY / PLEUROTOM
471	RIGHT HEMICOLECTOMY
475	COLOSTOMY
248	BIOPSY OF BRONCHUS
252	SEGMENTAL RESECTION LUN
443	PARTIAL GASTRECTOMY
268	BIOPSY CHEST WALL PLEUR
604	COMPLETE NEPHRECTOMY
652	PROSTATECTOMY TRANSURET
373	RADICAL NECK DISSECTION
530	ANASTOMOSIS GALLBLADDER
079	CAROTID GLAND OPERATION
472	LEFT HEMICOLECTOMY
600	NEPHROTOMY
030	LAMINECTOMY
251	LOC EXCIS OF LUNG LESIO

HICDA2

YS02P1

OPER1

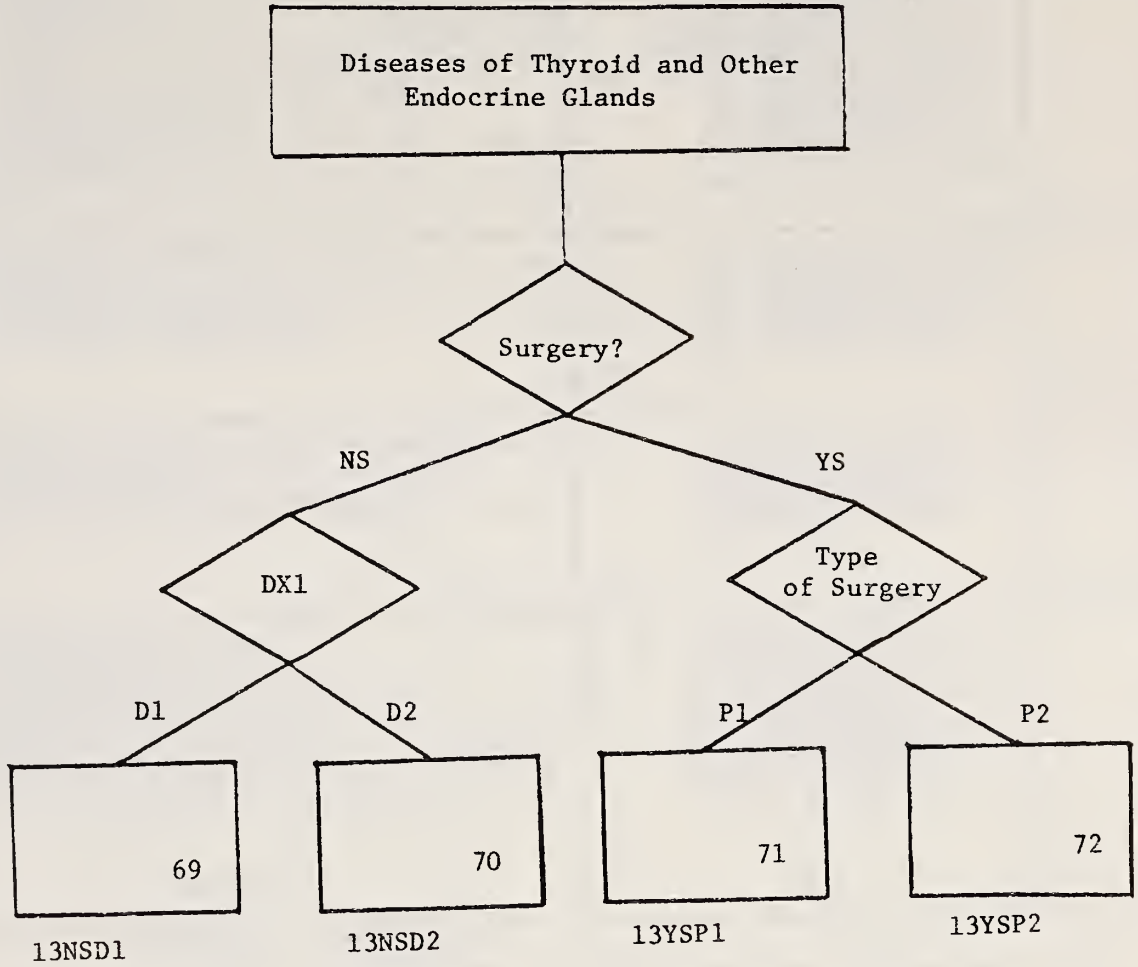
482	EXCISION RECTAL LESION
452	EXCISION LG BOWEL LESION
924	PROCTOSIGMOIDOSCOPY
885	EXCISION SKIN LESION
783	EXCISION BONE LESION
042	EXCIS PERIPH NERVE LES
492	EXCISION ANAL LESION
922	BRONCHOSCOPY
923	ESOPHAGOGASTROSCOPY
451	EXCISION SM BOWEL LESION
925	CYSTOURETHROSCOPY
041	PERIPH NERVE RESECTION
401	SIMPLE EXCIS LYMPH NODE

YS02P2

OPER1

455	SUBTOT RESECT-LG BOWEL
542	LAPAROTOMY
450	ENTEROTOMY
321	EXCISION LESION BRONCHUS
343	EXCIS LESION MEDIASTINUM
502	EXCISION LIVER LESION
332	SEGMENTAL RESECTION LUNG
545	LYSIS PERITONEAL ADHES
805	EXCISION INTERVERT DISC
512	GB OR BILE DUCT ANASTOM
033	EXCIS SPINAL CORD LESION
030	SPINAL CORD EXPLORATION
011	CRANIOTOMY
437	PART GASTREC & U-JEJUNOST
331	EXCISION LESION OF LUNG
345	PLEURECTOMY
341	THORACOTOMY
484	ABDOMINOPERINEAL RESECT
715	VULVECTOMY NEC
034	SPINAL CORD PLASTIC
391	PORTAL-SYSTEMIC SHUNT
398	CAROTID & AORTIC BODY OP
461	COLOSTOMY

Diagnostic Category 13: ICDA8 240-2460, 251-2551, 2559-2589
HICDA 2265, 2400-2460, 2510-2589, 1952
HICDA2 240-2460, 251-2589, 2265



13 Diseases of Thyroid and Other Endrocrine Glands

ICDA8

D1

DX1

2510 DISORDERS OF PANCREATIC INTERNAL SECRETION OTHER THAN DI
251 DISORDERS OF PANCREATIC INTERNAL SECRETION OTHER THAN DI
2420 TOXIC DIFFUSE GOITER
2530 ANTERIOR PITUITARY HYPERFUNCTION
244 MYXEDEMA
2419 NONTOXIC NODULAR GOITER-UNSPECIFIED
2580 CUSHING'S SYNDROME
2561 ADRENAL CORTICAL HYPOFUNCTION
2520 HYPERPARATHYROIDISM
2429 SIMPLE GOITER-UNSPECIFIED
2559 ADRENAL CORTICAL HYPERFUNCTION
2521 HYPOPARATHYROIDISM

D2

DX1

2422 THYROTOXICOSIS WITHOUT MENTION OF GOITER
2589 POLYGLANDULAR DYSFUNCTION AND OTHER DISEASES OF ENDOCRIN
2531 ANTERIOR PITUITARY HYPOFUNCTION
2421 TOXIC NODULAR GOITER
2559 DISEASE OF ADRENAL GLANDS-OTHER AND UNSPECIFIED
2539 DISEASES OF PITUITARY GLAND-OTHER AND UNSPECIFIED
2532 DISEASES OF PITUITARY GLAND-CHROMOPHOBE ADENOMA, PITUITA

P1

OPER1

221 THYROIDECTOMY, PARTIAL OR SUBTOTAL
671 LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY
672 THYROIDECTOMY, COMPLETE OR TOTAL
703 DILATION AND CURETTAGE OF UTERUS
229 INCISION OF THYROID FIELD
223 EXCISION BY TRANSSTERNAL ROUTE (THYROID)
453 PERITONEOSCOPY
- 444 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU

P2

OPER1

017 HYPOPHYSECTOMY
225 PARATHYROIDECTOMY, PARTIAL OR COMPLETE
419 BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
231 OPERATIONS ON ADRENALS
427 BIOPSY OF BONE
011 TRANSSPHENOID SURGICAL APPROACH TO BRAIN STEM
692 ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL

445 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
010 CRANIOTOMY
446 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
394 PERITONEOCENTESIS
302 LARYNGECTOMY
145 EXTRACTION OF LENS, INTRACAPSULAR
421 THORACENTESIS
090 ORBITOTOMY
825 OPEN REDUCTION OF INTERTROCHANTERIC FRACTURE WITH INTER
410 BIOPSY OF INTRACRANIAL TISSUE
261 ENCEPHALECTOMY HEAD AND NECK, BASE OF BRAIN
683 MASTECTOMY, COMPLETE
815 TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT
013 INCISION WITH DRAINAGE, INTRACRANIAL
215 LARYNGENCEIDECTOMY
463 VAGOTOMY
171 INCISION AND DESTRUCTION PROCEDURES OF MIDDLE EAR
463 GASTRIC RESECTION, SUBTOTAL OR TOTAL

HICDA

D1

DX1

2510 HYPERINSULINISM
2420 TOXIC DIFFUSE GOITER
2551 HYPOADRENALISM
2419 NONTOX NOD GOIT UNSPEC
2520 HYPERPARATHYROIDISM
2589 ENDOCRINE SYS DIS NOS
2533 DIABETES INSIPIDUS
2550 HYPERADRENALISM
2511 ZOLLINGER-ELLISON SYN
2580 CUSHING'S SYNDROME
2429 SIMPLE GOITER UNSPEC
2409 THYROID GLAND DIS OTHER
2450 ACUTE THYROIDITIS
2569 OVARIAN DYSFUNCTION NOS

D2

DX1

2440 MYXEDEMA
2559 ADRENAL GLAND DIS NOS
2531 ANT PITUITARY HYPOFUNCT
2521 HYPOPARATHYROIDISM
2459 THYROIDITIS UNSPECIFIED
2422 THYROTOXICOSIS WO GOITE
2539 PITUITARY GLAND DIS NOS
2421 TOXIC NODULAR GOITER

P1

OPER1

061 THYROIDECTOMY SUBTOTAL
062 THYROIDECTOMY TOTAL
940 RADIOISOTOPE SCAN EXAMI
935 INTRAVENOUS PYELOGRAPHY
923 PERITONEOSCOPY
691 LOC EXCIS OVARIAN LESIO
950 ARTERIOGRAPHY HEAD NECK
060 INCIS OF THYROID FIELD

P2

OPER1

067 PARATHYROIDECTOMY TOTAL
066 PARATHYROIDECTOMY PART
916 NONSURG CYSTOSCOPY URET
915 NONSURG ENDOSCOPY
711 ABD HYSTERECTOMY TOTAL
320 CATHETERIZATION HEART
261 THORACENTESIS

551 EXPLORATORY LAPAROTOMY
527 BIOP LIVER PERCUTANEOUS
554 ABDOMINAL PARACENTESIS
891 LOC EXC SKIN SUBCUT LES
535 CHOLECYSTECTOMY
344 REP ARTERIOVEN FIST MEA
341 ENDARTERECTOMY HEAD NEC
463 RESECTION SMALL INTEST
470 RESECT COLON SEGMENTAL
223 TOTAL LARYNGECTOMY
852 EXCIS MUSC TEND EXC HAN
418 BIOP BUC CAV TONG PALAT
393 BIOPSY OF BREAST
392 COMPLETE MASTECTOMY
391 PARTIAL MASTECTOMY
032 ARTHROCENTESIS

HICDA2

D1

DX1

2511 HYPOGLYCEMIA NOS
2449 HYPOTHYROIDISM NOS
2420 TOXIC DIFFUSE GOITER
2551 HYPOADRENALISM
2530 ANT PITUITARY HYPERFUNCT
2400 SIMPLE GOITER
2589 ENDOCRINE DIS NEC & NOS
2580 CUSHING'S SYNDROME
2520 HYPERPARATHYROIDISM
2450 ACUTE THYROIDITIS
2419 NONTOX NODULAR GOIT NOS
2510 HYPERINSULINISM
2550 HYPERADRENALISM
2533 DIABETES INSIPIDUS
2265 BENIGN NEOPLASM THYROID
2568 OVARIAN DYSFUNCTION NEC

D2

DX1

2429 HYPERTHYROIDISM NOS
2531 ANT PITUITARY HYPOFUNCT
2422 TOXIC MULTINOD GOITER
2534 POST PITUIT DYSFUNC NEC
2459 THYROIDITIS NOS
2440 POSTSURGICAL HYPOTHYROID
2451 CHRONIC THYROIDITIS

P1

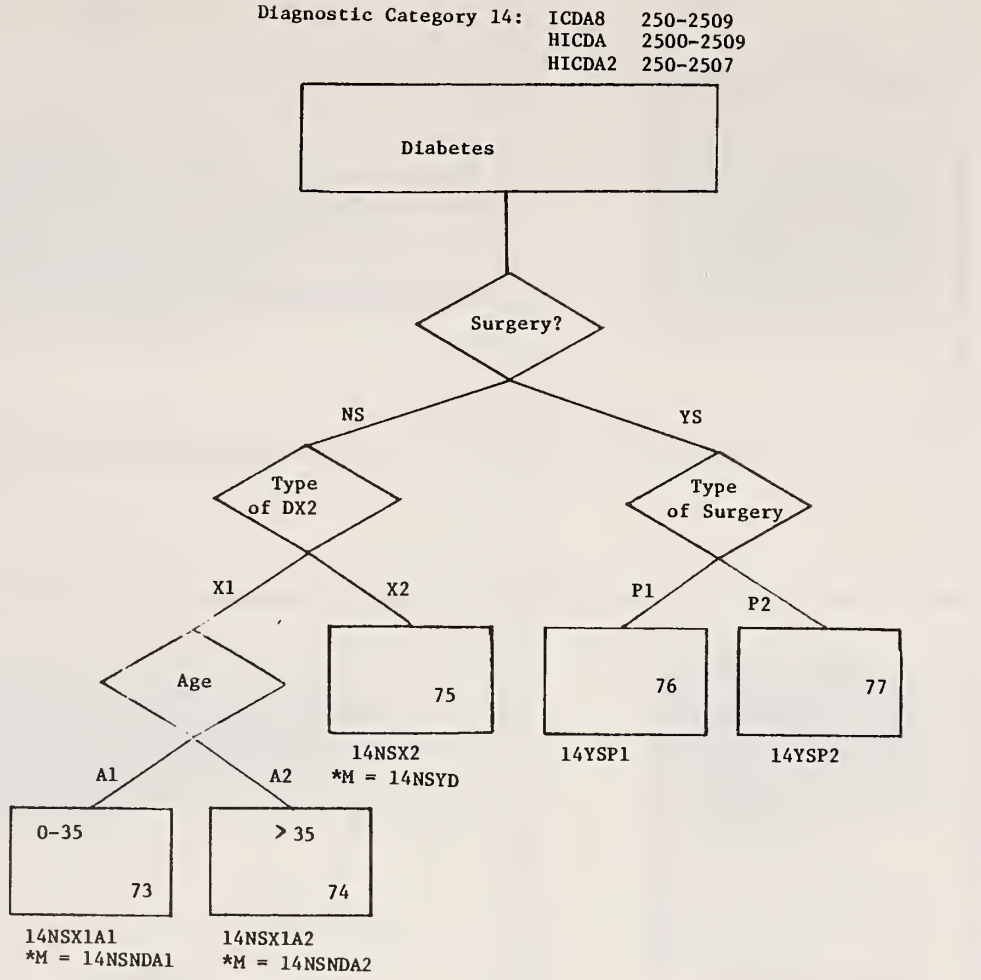
OPER1

062 PART THYROIDECTOMY NEC
061 UNILAT THYROID LOBECTOMY
651 EXCISION OVARIAN LESION
063 COMPLETE THYROIDECTOMY
693 D&C
914 LAPARSCOPY
923 ESOPHAGOGASTROSCOPY
542 LAPAROTOMY

P2

OPER1

924 PROCTOSIGMOIDOSCOPY
067 PART PARATHYROIDECTOMY
075 HYPOPHYSECTOMY
885 EXCISION SKIN LESION
683 TOTAL ABD HYSTERECTOMY
077 THYMECTOMY
925 CYSTOURETHROSCOPY
500 PERCUTANEOUS LIVER ASPIR
870 ASPIRATION OF BREAST
860 EXCISION BREAST LESION
340 THORACENTESIS
451 EXCISION SM BOWEL LESION
452 EXCISION LG BOWEL LESION
832 DIVIS-MUSCLE TENDON FASC
884 WOUND DEBRIDEMENT
068 TOTAL PARATHYROIDECTOMY
524 PARTIAL PANCREATECTOMY
070 ADRENAL EXPLORATION
788 REMOVE INTERNAL FIXATION



*M = MADOC Group Code

14 Diabetes

ICDA8

X1

DX2

NO CODE
7886 -ELECTROLYTE DISORDERS
2501 DIABETES MELLITUS WITH MENTION OF ACIDOSIS OR COMA
0092 GASTROENTERITIS AND COLITIS
2770 OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
V061 PREGNANCY ASSOCIATED WITH NONOBSTETRICAL CONDITION
4650 ACUTE UPPER RESPIRATORY INFECTION OF MULTIPLE OR UNSPECI
277 OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
4660 ACUTE BRONCHITIS AND BRONCHIOLITIS
5313 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
3000 ANXIETY NEUROSIS

X2

DX2

4010 ESSENTIAL BENIGN HYPERTENSION
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
5990 URINARY TRACT INFECTION NEC
9623 ADVERSE EFFECT-INSULINS AND ANTIDIABETIC AGENTS
401 ESSENTIAL BENIGN HYPERTENSION
4439 OTHER PERIPHERAL VASCULAR DISEASE-UNSPECIFIED
3579 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-OTH
4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
5932 -OTHER RENAL DISEASE
4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITHOUT MEN
0799 VIRAL INFECTION UNSPECIFIED
5770 ACUTE PANCREATITIS
2790 OTHER AND UNSPECIFIED METABOLIC DISEASES
4459 GANGRENE NOT ELSEWHERE CLASSIFIED
7131 SPONDYLITIS OSTEOARTHRITICA

HICDA

X1

DX2

NO CODE
7130 OSTEOARTHRITIS
5999 URIN TRACT DIS OTH / UN
0092 GASTRCENTERITIS COLITIS
3774 RETINA DISEASE OTHER
5990 CYSTITIS
3579 PERIPH NERVE DISEASE NO
3550 NEURALGIA OTHER / UNSPE
5350 GASTRITIS AND DUODENITI
5513 DIAPHRAGM HERNIA NO OBS
5621 DIVERTICULOSIS COLON
3100 ANXIETY NEUROSIS

X2

DX2

4129 CHR HT DIS OTHER / UNS
4010 HYPERTENSION ESSENT BEN
9623 ADV EFF INSULIN ANTIDIA
4270 CONGESTIVE HEART FAILUR
4439 ARTSC GENERAL AND UNSPE
4020 HYPERTENSIVE HEART DIS
2770 OBESITY NON-ENDOCRINE
2503 DIABET MELLIT W UTH COM
4370 GEN ISCHEMIC CBV DISEAS
4122 CHR HT DIS CORON ARTSC
4920 PULMONARY EMPHYSEMA
7071 CHR ULCER OF LOW EXTREM
7150 ARTHRITIS UNSPECIFIED
4120 CHR HT DIS HEAL MYOC IN
2740 GOUT
4260 PNEUMONIA ORG / TYPE NO
4439 PERIPH VASC DIS UNSPEC
2502 DIABETIC ACIDOSIS COMA
3105 DEPRESSIVE NEUROSIS

HICDA2

X1

DX2

NO CODE
5995 URIN TRACT INFECTION NOS
0092 GASTRCENTERITIS, COLITIS
4650 ACUTE URI NOS
3774 RETINAL DISEASE NEC
7130 OSTEOARTHRITIS
3100 ANXIETY NEUROSIS
5515 HIATAL HERNIA
5350 GASTRITIS/DUODENITIS NOS
4900 BRONCHITIS UNQUALIFIED

X2

DX2

4010 BENIGN HYPERTENSION
4129 CHR ISCHEMIC HRT DIS NEC
9623 ADV EFF ANTIDIABETICS
4020 HYPERTENSIVE HEART DIS
3579 PERIPH NERVE DISEASE NEC
4279 CONGESTIVE HEART FAILURE
7902 DEHYDRATION NEC
4439 ARTERIOSCLEROSIS NOS
2770 OBESITY NON-ENDOCRINE
7071 CHRONIC ULCER OF LEG
4439 PERIPHERAL VASC DIS NOS
4370 CEREBRAL ISCHEMIA NOS
2501 D M ADULT CNSET & COMA
4860 PNEUMONIA NOS
4459 GANGRENE NEC
7131 HYPERTROPHIC SPONDYLITIS
4120 HEALED MYOCARD INFARCT
2859 ANEMIA NOS
2536 KIMMELSTIEL-WILSON DIS

14 Diabetes
(Cont'd)

ICDA8

P1

OPER1

136	OTHER PHOTOCOAGULATION OF RETINA
446	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
445	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
612	CIRCUMCISION
A27	BIOPSY OF BONE
444	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
575	DILATION OF URETHRA
145	EXTRACTION OF LENS, INTRACAPSULAR
703	DILATION AND CURETTAGE OF UTERUS
A19	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION

P2

OPER1

857	AMPUTATION OF LEG (THROUGH TIBIA AND FIBULA)
855	AMPUTATION AND DISARTICULATION OF TOE(S)
247	RECONSTRUCTION OF PERIPHERAL ARTERY BY BLOOD VESSEL GRA
923	INCISION OF SKIN AND SUBCUTANEOUS TISSUE
856	AMPUTATION OF FOOT
858	AMPUTATION OF THIGH AND DISARTICULATION OF KNEE
582	PROSTATECTOMY, TRANSURETHRAL
051	SYMPATHECTOMY OR GANGLIONECTOMY
391	EXPLORATORY LAPAROTOMY OR SPLENECTOMY
243	ANASTOMOSIS AND OTHER REPAIR OF PERIPHERAL VESSELS

HICDA

P1

OPER1

916	NONSURG CYSTOSCOPY URET
991	LOC EXC SKIN SUBCUT LES
915	NONSURG ENDOSCOPY
125	EXTRACT LENS INTRACAPSU
893	REMOVAL NAIL BED OR FOL
133	PHOTOCOAGUL REATTACH RE
914	NONSURG ESOPHAGOSCOPY
149	VITREOUS OPERATION
135	PHOTOCOAGUL RETINA OTHE
719	UTERINE D / C NON OBSTE
134	REATTACHMENT RETINA OTH
404	SURG REMOVAL OF TOOTH
563	PERITONEAL DIALYSIS
124	EXTRACT LENS EXTRACAPSU

P2

OPER1

877	AMPUTATION OF LEG
971	PHYSICAL THERAPY
875	AMPUT / DISARTIC OF TOE
990	INC SKIN SUBCUTAN TISSU
261	THORACENTESIS
946	RADIOISOTOPE SCAN EXAMI
380	BONE MARROW ASPIRATION
652	PROSTATECTOMY TRANSURET
369	PERIPHERAL VES OPER OTH
955	INTRAVENOUS PYELOGRAPHY
878	AMP THIGH DISARTIC KNEE
051	SYMPATHECTOMY GANGECTOM
360	INCIS PERIPHERAL VESSEL
997	SPINAL PUNCTURE
535	CHOLECYSTECTOMY
931	MYELOGRAPHY
950	ARTERIOGRAPHY HEAD NECK
994	KIDNEY DIALYSIS
876	AMPUTATION OF FOOT
551	EXPLORATORY LAPAROTOMY
527	BIOP LIVER PERCUTANEOUS
903	FREE SKIN GRAFT OTH LOC
367	GRAFT RECONST PERIPH AR
951	AORTOGRAPHY
324	INSERTION OF PACEMAKER
355	GRAFT INTRA-ABD ARTERY

HICDA2

P1

OPER1

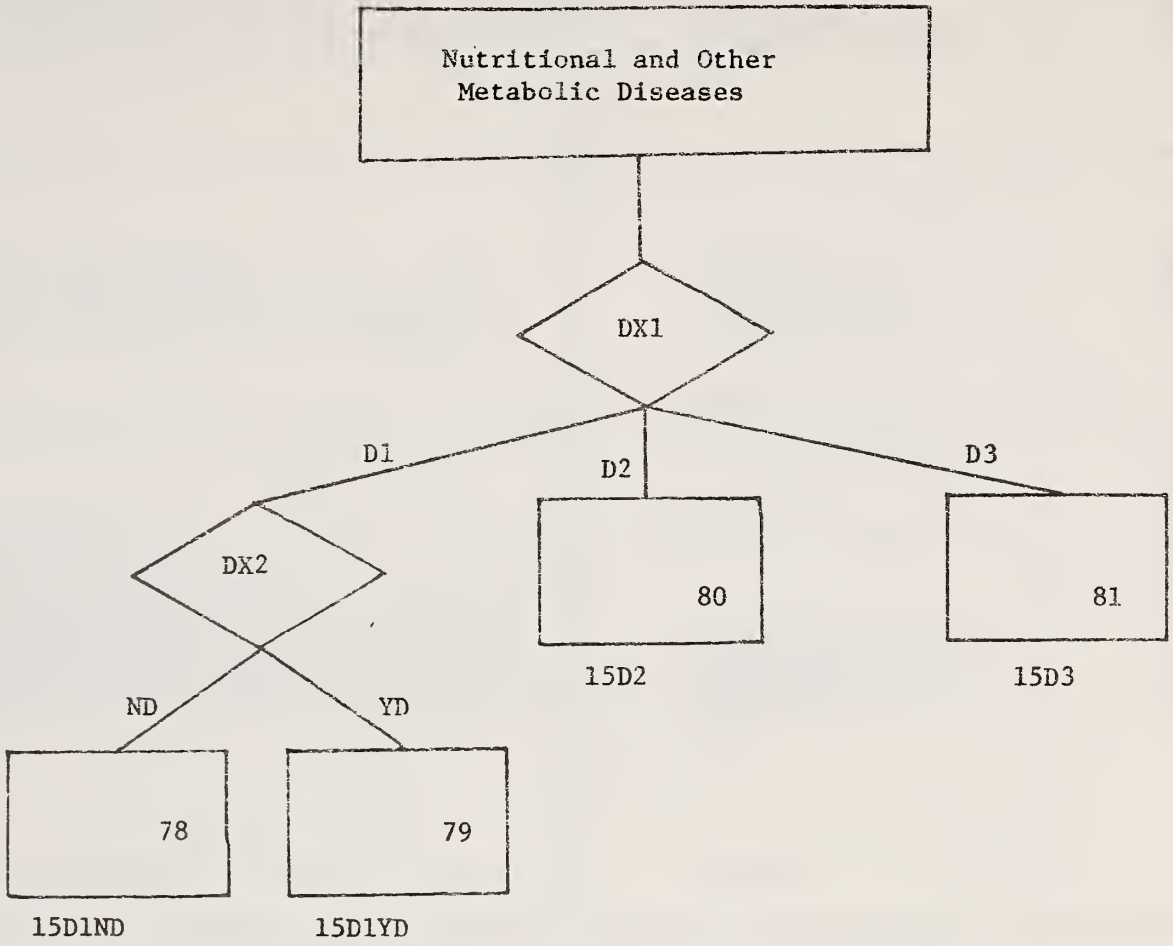
925	CYSTOURETHROSCOPY
924	PROCTOSIGMOIDOSCOPY
923	ESOPHAGOGASTROSCOPY
895	EXCISION SKIN LESION
154	INTRACAP LENS EXTRACTION
741	LOW CERVICAL C-SECTION
230	TOOTH EXTRACTION
690	O&C
887	ONYCHECTOMY
941	CIRCUMCISION
273	TUR EXCISION BLADDER LES
693	ENDOSCOP AIL TUBE LIGAT
231	SURGICAL REMOVAL TOOTH

P2

OPER1

883	SKIN & SUBCUT INCIS NEC
845	TOE AMPUTATION
884	WOUND DEBRIDEMENT
847	BELOW KNEE AMPUTATION
392	SHUNT & GRAFT BYPASS NEC
602	TRANSURETH PROSTATECTOMY
848	ABOVE KNEE AMPUTATION
511	CHOLECYSTECTOMY
051	SYMPATH NERVE EXCISION
585	URETHRAL DILATION
500	PERCUTANEOUS LIVER ASPIR
340	THORACENTESIS
502	EXCISION LIVER LESION
846	FOOT AMPUTATION
603	SUPRAPUBIC PROSTATECTOMY
434	EXCISION STOMACH LESION

Diagnostic Category 15: ICDA8 260-2790
HICDA 2600-2789, 2799
HICDA2 260-2790



15 Nutritional and Other Metabolic Diseases

ICDA8

D1

DX1

2740 GOUT
2723 -XANTHOMATOSIS
2779 OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
2738 OTHER AND UNSPECIFIED CONGENITAL DISORDERS OF METABOLISM
2719 -DISORDERS OF STEROID METABOLISM
2718 CONGENITAL DISORDERS OF CARBOHYDRATE METABOLISM-OTHER
2708 CONGENITAL DISORDERS OF AMINO-ACID METABOLISM-OTHER
2750 -AGAMMAGLOBULINEMIA
2751 -HYPOGAMMAGLOBULINEMIA
2759 PLASMA PROTEIN ABNORMALITIES-OTHER AND UNSPECIFIED
2735 -DEFECTIVE BILIRUBIN EXCRETION
274 GOUT
2731 -DISORDERS OF PORPHYRIN METABOLISM
2732 -HEMOCHROMATOSIS
2701 -ACID METABOLISM-CYSTINURIA
2652 -OSTEOMALACIA

D2

DX1

2699 OTHER NUTRITIONAL DEFICIENCY-OTHER AND UNSPECIFIED
2730 -CYSTIC FIBROSIS
279 OTHER AND UNSPECIFIED METABOLIC DISEASES
2690 OTHER NUTRITIONAL DEFICIENCY-SPRUE AND STEATORRHEA
279C OTHER AND UNSPECIFIED METABOLIC DISEASES
2722 -LIPID STORAGE DISORDERS

D3

DX1

277 OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
2691 OTHER NUTRITIONAL DEFICIENCY-MALABSORPTION SYNDROME, UNS
2733 -HEPATOLENTICULAR DEGENERATION
275 AMYLOIDOSIS
2702 -ACID METABOLISM-OTHER DISORDERS OF AMINO-ACID TRANSPORT
268 NUTRITIONAL MARASMUS
2711 -OTHER AND UNSPECIFIED GLYCOGEN STORAGE DISEASE
2754 -CRYOGLOBULINEMIA
2734 -OTHER DISORDERS INVOLVING METABOLISM OF MINERALS
2700 -ACID METABOLISM-PHENYLKETONURIA
2680 NUTRITIONAL MARASMUS

HICDA

D1

DX1

2740 GOUT
2799 METABOLIC DIS OTH / UNS
2732 HEMOCHROMATOSIS
2720 HYPERLIPIDEMIA
2759 PLAS PROT ABN OTH / UNS
2735 DEFECT BILIRUBIN EXCRET
2716 LACTOSURIA
2736 DISORD STEROID METABOL

D2

DX1

2699 NUTRITION DEF OTH / UNS
2690 SPRUE AND STEATORRHEA
2730 CYSTIC FIBROSIS
2738 RENAL TRANSPORT OTH DIS

D3

DX1

2770 OBESITY NON-ENDOCRINE
2691 MALABSORPTION SYN NOS
2680 NUTRITIONAL MARASMUS
2760 AMYLOIDOSIS

HICDA2

D1

DX1

2740 GOUT
2720 HYPERLIPOPROTEINEMIA-II
2732 HEMOCHROMATOSIS
2751 HYPOGAMMAGLOBULINEMIA
2759 ABN PLASMA PROTEIN NEC
2736 CORTICOSTEROID METAB DIS
2716 LACTOSURIA
2755 MACROGLOBULINEMIA
2731 PORPHYRIN METAB DISORD
2721 HYPERLIPOPROTEINEMIA-IV
2701 CYSTINURIA
2735 DEFECT BILIRUBIN EXCRET
2722 HYPERLIPOPROTEINEMIA NEC
2693 NUTRITION DEFICIENCY NEC
2708 DIS AMINO-ACID METAB NEC
2737 MUCOPOLYSACCHARIDE DIS
2750 AGAMMAGLOBULINEMIA
2610 THIAMINE DEFICIENCY
2738 RENAL TRANSPORT DIS NEC
2650 ACTIVE RICKETS

D2

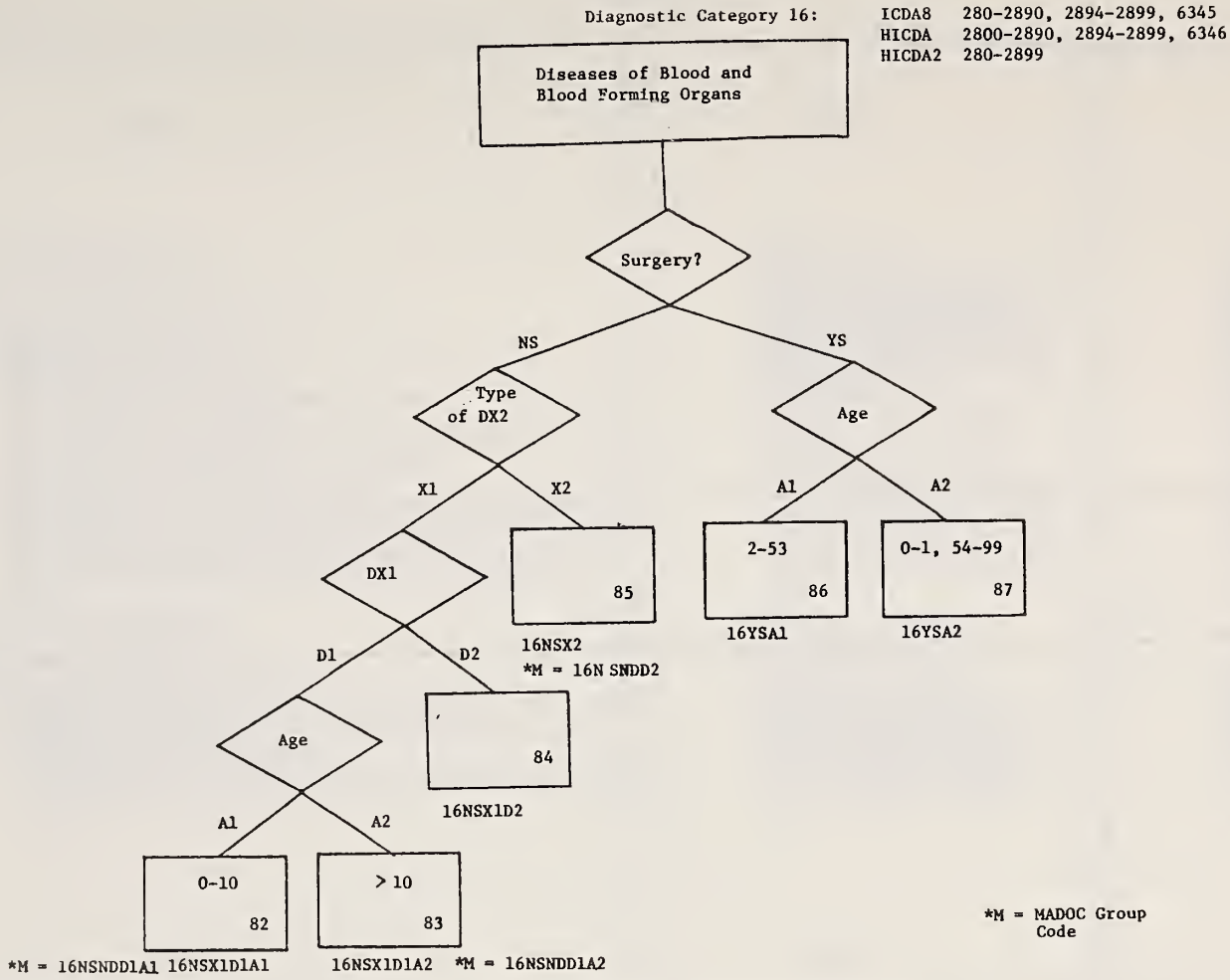
DX1

2699 NUTRITION DEFICIENCY NOS
2730 CYSTIC FIBROSIS
2692 MALABSORPTION NOS
2790 METABOLIC DIS NEC & NUS
2690 CELIAC DISEASE
2680 NUTRITIONAL MARASMUS
2640 VITAMIN C DEFICIENCY

D3

DX1

2770 OBESITY NON-ENDOCRINE
2734 MINERAL METAB DISORD NEC
2760 AMYLOIDOSIS
2691 MALABSORPTION STATE NEC
2733 HEPATOLENTICULAR DEGEN
2754 CRYOGLOBULINEMIA


Diagnostic Category 16:
ICDA8 280-2890, 2894-2899, 6345
HICDA 2800-2890, 2894-2899, 6346
HICDA2 280-2899
Diseases of Blood and Blood Forming Organs
Surgery?
NS
YS
Type of DX2
Age
X1
X2
A1
A2
DX1
85
16NSX2
*M = 16N SNDD2
2-53
86
16YSA1
0-1, 54-99
87
16YSA2
D1
D2
Age
84
16NSX1D2
A1
A2
0-10
82
*M = 16NSNDD1A1 16NSX1D1A1
> 10
83
16NSX1D1A2 *M = 16NSNDD1A2
*M = MADOC Group Code

16 Diseases of Blood and Blood Forming Organs

ICDA8

X1

DX2

NO CODE
5990 URINARY TRACT INFECTION NEC
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
9959 OTHER COMPLICATIONS OF MEDICAL CARE-OTHER TRANSFUSION RE
7806 -PYREXIA OF UNKNOWN ORIGIN
5820 CHRONIC NEPHRITIS
7955 -ABDOMINAL PAIN
4289 -OTHER AND UNSPECIFIED CIRCULATORY DISEASES
465 ACUTE UPPER RESPIRATORY INFECTION OF MULTIPLE OR UNSPECI
V105 OTHER SURGICAL AFTERCARE

X2

DX2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
5694 OTHER DISEASES OF INTESTINES AND PERITONEUM-OTHER
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
2638 OTHER VITAMIN B DEFICIENCY-OTHER
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
401 ESSENTIAL BENIGN HYPERTENSION
7825 -SYNCOPE OR COLLAPSE
0389 SEPTICEMIA-UNSPECIFIED
5749 CHOLELITHIASIS-OTHER AND UNSPECIFIED
2819 OTHER AND UNSPECIFIED DEFICIENCY ANEMIA
4249 ILL-DEFINED HEART DISEASE-CARDIAC ENLARGEMENT AND HYPERT
2699 OTHER NUTRITIONAL DEFICIENCY-OTHER AND UNSPECIFIED
486 PNEUMONIA, UNSPECIFIED
9631 ADVERSE EFFECT-ANTINEOPLASTIC AGENTS
792 UREMIA
4660 PNEUMONIA, UNSPECIFIED
274 GOUT
2732 -HEMOCHROMATOSIS

HICDA

X1

DX2

NO CODE
5021 DIVERTICULOSIS COLON
5350 GASTRITIS AND DUODENITI
4480 CAPILLARIES, DISEASES
4920 PULMONARY EMPHYSEMA
5515 DIAPHRAGM HERNIA W/O OBS
2859 ANEMIA UNSPECIFIED
5999 URIN TRACT DIS OTH / UN
2809 IRON DEFICIEN ANEMIA NO

X2

DX2

7847 GI TRACT HEMORRHAGE NOS
2500 DIABETES MELLITUS UNCON
4129 CHR HT DIS OTHER / UNS
4270 CONGESTIVE HEART FAILUR
4409 ARTSC GENERAL AND UNSPE
7130 OSTEOARTHRITIS
4010 HYPERTENSION ESSENT BEN
9642 ADV EFF ANTICOAGULANTS
4660 PNEUMONIA ORG / TYPE NO
1850 MAL NEO OF PROSTATE
5950 CYSTITIS
4140 CHR HT DIS HEAL MYOC IN
5932 RENAL DISEASE OTHER
2819 DEFIC ANEMIA OTH / UNS
7920 UREMIA
2940 APLASTIC ANEMIA
2440 MYXEDEMA
2699 NUTRITION DEF OTH / UNS
4370 GEN ISCHEMIC CBV DISEAS
4360 ACUTE CBV DIS W/U PARAL
2871 THROMBOCYTOPENIA
2869 COAGULATION DEFECTS OTH

HICDA2

X1

DX2

NO CODE
7820 GI BLEEDING NEC
5515 HIATAL HERNIA
5995 URIN TRACT INFECTION NOS
2809 IRON DEFICIEN ANEMIA NEC
7922 FEVER OF UNKNOWN ORIGIN
5621 DIVERTICULOSIS COLON
7761 EPISTAXIS
5740 GALLBLADDER CALCULUS

X2

DX2

4129 CHR ISCHEMIC HRT DIS NEC
4279 CONGESTIVE HEART FAILURE
2500 DIAB MEL ADULT ONSET NOS
4010 BENIGN HYPERTENSION
4869 PNEUMONIA NOS
4409 ARTERIOSCLEROSIS NOS
4370 CEREBRAL ISCHEMIA NOS
4020 HYPERTENSIVE HEART DIS
2671 THROMBOCYTOPENIA
5859 RENAL FAILURE NOS
3132 ALCOHOLIC ADDICTION
7161 SYSTEMIC LUPUS ERYTHEMAT
7130 OSTEOARTHRITIS
2819 DEFIC ANEMIA NEC & NOS
5852 CHRONIC RENAL FAILURE
4439 PERIPHERAL VASC DIS NOS
2449 HYPOTHYROIDISM NOS
7703 CONVULSIONS
4290 CARDIAC ENLARGEMENT
1850 MALIGNANT NEO PROSTATE
9642 ADV EFF ANTICOAGULANTS
4163 ATRIAL FIBRILLATION
4500 PULMONARY EMBOLISM

16 Diseases of Blood and Blood Forming Organs (Cont'd)

ICDA8

01

0X1

2824 MEDITERRANEAN ANEMIA
2860 -HEMOPHILIA
2820 FAMILIAL ACHOLURIC JAUNDICE
288 AGRANULOCYTOSIS
2869 COAGULATION DEFECTS-OTHER
2823 HEREDITARY HEMOLYTIC ANEMIAS-OTHER
9345 -RH INCOMPATIBILITY
2821 HEREDITARY ELLIPTOCYTOSIS
2879 PURPURA AND OTHER HEMORRHAGIC CONDITIONS-OTHER AND UNSPE
2880 AGRANULOCYTOSIS
2865 OTHER DISEASES OF SPLEEN

02

0X1

2825 HEMOGLOBINOPATHIES
2859 ANEMIA, UNSPECIFIED
2830 IRON DEFICIENCY ANEMIAS
2871 -THROMBOCYTOPENIA
2875 -ALLERGIC PURPURA
280 IRON DEFICIENCY ANEMIAS
284 APLASTIC ANEMIA
2810 PERNICIOUS ANEMIA
2817 OTHER AND UNSPECIFIED DEFICIENCY ANEMIA
2569 OTHER DISEASES OF BLOOD AND BLOOD FORMING ORGANS - OTHER
2940 POLYCYTHEMIA, SECONDARY

HICDA

01

0X1

2860 HEMOPHILIA
2850 HYPOCHROM ANEMIA W IRON
2899 BLOOD DISEASES OTH / UN
2869 COAGULATION DEFECTS OTH
2870 ALLERGIC PURPURA
2824 MEDITERRANEAN ANEMIA
2829 HERED HEMO ANEM OTH/UNS
2895 SPLEEN DISEASES OTHER
2879 HEMORR COND OTH / UNSPE
2820 FAMIL ACHOLURIC JAUNDIC
2854 HYPERSPLENISM

02

0X1

2859 ANEMIA UNSPECIFIED
2809 IRON DEFICIEN ANEMIA NO
2840 APLASTIC ANEMIA
2800 IRON ANEMIA BLOOD LOSS
2810 PERNICIOUS ANEMIA
2871 THROMBOCYTOPENIA
2819 DEFIC ANEMIA OTH / UNS
2826 SICKLE CELL ANEMIAS
2880 AGRANULCCYTOSIS
2839 ACQUIRED HEMO ANEM OTHE
2812 FOLIC ACID DEFIC ANEMIA

HICDA2

01

0X1

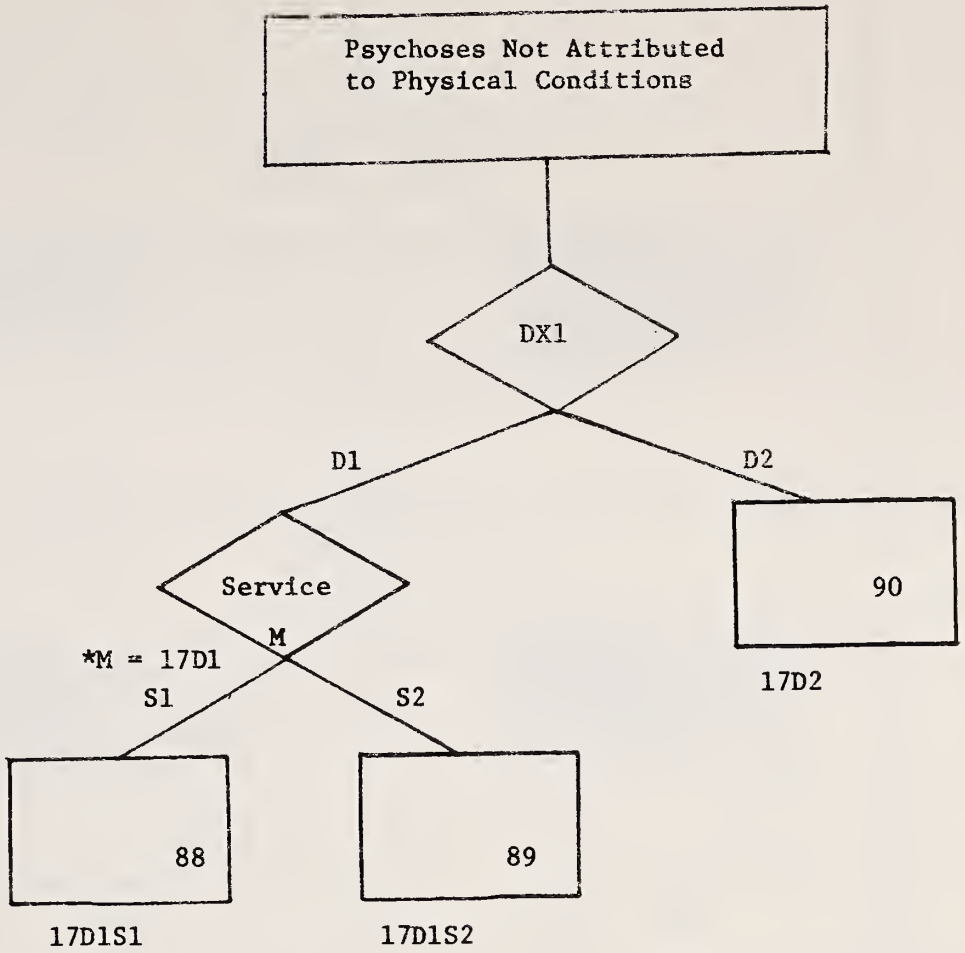
2824 THALASSEMIAS
2860 HEMOPHILIA
2829 HERED HEMOLYTIC ANEM NEC
2869 COAGULATION DEFECT NEC
2820 HEREDITARY SPHEROCYTOSIS
2840 CONGEN APLASTIC ANEMIA
2880 AGRANULOCYTOSIS
2878 HEMORRHAG CONDITIONS NEC
2861 CHRISTMAS DISEASE
2894 HYPERSPLENISM
2879 HEMORRHAG CONDITIONS NOS

02

0X1

2826 SICKLE CELL ANEMIA
2859 ANEMIA NOS
2809 IRON DEFICIEN ANEMIA NEC
2871 THROMBOCYTOPENIA
2849 APLASTIC ANEMIA NOS
2800 CHR BLOOD LOSS ANEMIA
2810 PERNICIOUS ANEMIA
2819 DEFIC ANEMIA NEC & NOS
2839 HEMOLYTIC ANEMIA NEC
2812 FOLIC ACID DEFIC ANEMIA
2951 ACUTE HEMORRHAGIC ANEMIA
2881 LEUKOPENIC STATE NEC
2870 ALLERGIC PURPURA

Diagnostic Category 17: ICDA 8 295-2990
HICDA 3060-3099
HICDA2 306-3099



*S1 = Service 6 (psychiatric service)
S2 = All other services

*M = MADOC Group Code

17 Psychoses Not Attributed to Physical Conditions

ICDA8

01

DX1

2959 SCHIZOPHRENIA-UNSPECIFIED TYPE
2953 SCHIZOPHRENIA-PARANOID TYPE
2960 INVOLUTIONAL MELANCHOLIA
2958 SCHIZOPHRENIA-OTHER
2990 UNSPECIFIED PSYCHOSIS
2969 AFFECTIVE PSYCHOSES-UNSPECIFIED
299 UNSPECIFIED PSYCHOSIS
2952 SCHIZOPHRENIA-CATATONIC TYPE
2979 PARANOID STATES-OTHER

02

DX1

2957 SCHIZO-AFFECTIVE TYPE
2962 MANIC DEPRESSIVE PSYCHOSIS, DEPRESSED TYPE
2954 ACUTE SCHIZOPHRENIA EPISODE
2980 REACTIVE DEPRESSIVE PSYCHOSIS
2955 LATENT SCHIZOPHRENIA
2961 MANIC-DEPRESSIVE PSYCHOSIS, MANIC TYPE
2963 MANIC-DEPRESSIVE PSYCHOSIS, CIRCULAR TYPE
2971 INVOLUTIONAL PARAPHRENIA
2950 SCHIZOPHRENIA-SIMPLE TYPE

HICDA

01

DX1

3064 PARANOID SCHIZOPHRENIA
3071 CHRON UNDIFF SCHIZOPHRE
3099 PSYCHOSES UNSPECIFIED
3079 SCHIZOPHRENIA NOS
3080 INVOLUTIONAL MELANCHOLI
3089 MAJOR AFFECT DISORD UNS
3065 ACUTE UNDIFF SCHIZOPHRE
3094 PSYCHOSES SPECIFIED OTH
3092 PARANOID STATES OTHER
3066 LATENT SCHIZOPHRENIA
3090 PARANOIA
3063 CATATON SCHIZO WITHDRAW

02

DX1

3082 MAN-DEPRESS DEPRESS TYP
3093 PSYCHO DEPRESS REACTION
3081 MAN-DEPRESS MANIC TYPE
3068 SCHIZO-AFFECTIVE EXCITE
3060 SIMPLE SCHIZOPHRENIA
3069 SCHIZO-AFFECTIVE DEPRES
3084 MAN-DEPRESS CIRC DEPRES
3091 INVOLUTIONAL PARANOID S
3061 HEBEPHRENIC SCHIZOPHREN

HICDA2

01

DX1

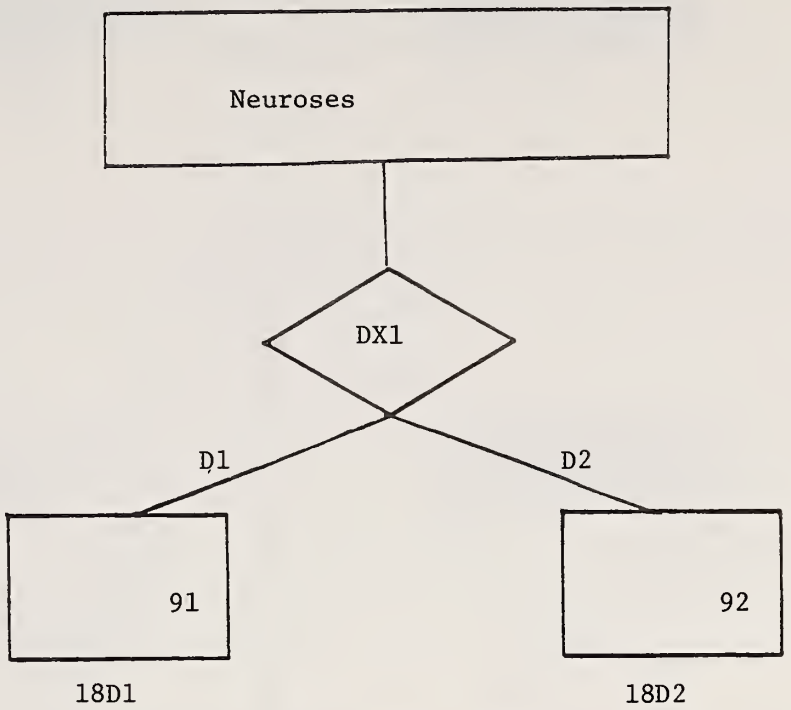
3068 SCHIZOPHRENIA-TYPE NEC
3063 PARANOID SCHIZOPHRENIA
3069 SCHIZOPHRENIA NOS
3099 PSYCHOSIS NOS
3080 INVOLUTIONAL MELANCHOLIA
3089 MAJOR AFFECT DISORD NOS
3094 PSYCHOSIS NEC
3092 PARANOID STATES NEC
3062 CATATONIC SCHIZOPHRENIA
3070 EARLY INFANTILE AUTISM

02

DX1

3082 MAN-DEPRESS DEPRESS TYPE
3067 SCHIZO-AFFECTIVE TYPE
3093 PSYCHOTIC DEPRESSIVE RXN
3064 AC SCHIZOPHRENIC EPISODE
3065 BORDERLINE SCHIZOPHRENIA
3081 MAN-DEPRESS MANIC TYPE
3084 MAN-DEPRESS CIRC DEPRESS
3091 INVOLUTIONAL PARAPHRENIA
3083 MAN-DEPRESS CIRC MANIC

Diagnostic Category 18: ICAD8 300-3029
HICDA 3100-3129, 3193
HICDA2 310-3129



18 Neuroses

ICDA8

D1

DX1

3000 ANXIETY NEUROSIS
3001 HYSTERICAL NEUROSIS
3009 UNSPECIFIED NEUROSIS
3005 NEURASTHENIA

D2

DX1

3004 DEPRESSIVE NEUROSIS
3018 PERSONALITY DISORDERS-OTHER
3017 PERSONALITY DISORDERS-ANTISOCIAL
3019 PERSONALITY DISORDERS-UNSPECIFIED
3016 PERSONALITY DISORDERS-HYSTERICAL
3013 PERSONALITY DISORDERS-EXPLOSIVE

HICDA

D1

DX1

3100 ANXIETY NEUROSIS
3101 HYSTER NEURO CONVER TYP
3109 NEUROSIS OTHER / UNSPEC
3106 NEURASTHENIC NEUROSIS
3102 HYSTER NEURO DISSOCIAT
3103 HYPOCHONDRIACAL NEUROSI

D2

DX1

3105 DEPRESSIVE NEUROSIS
3119 PERSON DISORD OTH / UNS
3118 PASSIVE-AGGRESS PERSON
3115 HYSTERICAL PERSONALITY
3113 EXPLOSIVE PERSONALITY
3117 ANTISOCIAL PERSONALITY

HICDA2

D1

DX1

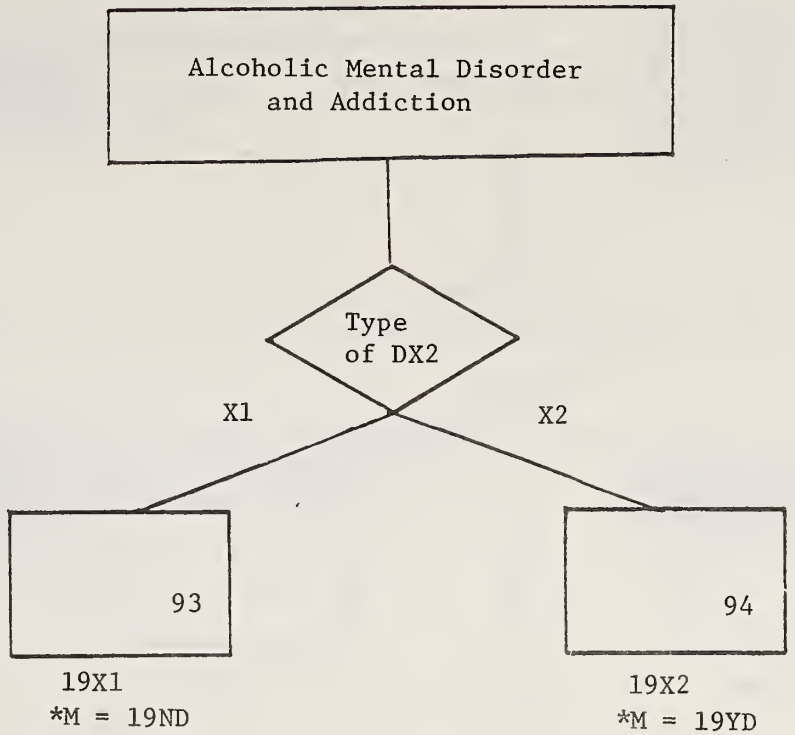
3100 ANXIETY NEUROSIS
3101 HYS NEUROSIS-CONVERSION
3109 NEUROSIS NEC AND NOS
3106 NEURASTHENIC NEUROSIS

D2

DX1

3105 DEPRESSIVE NEUROSIS
3119 PERSONALITY DISORDER NEC
3118 PASSIVE-AGGRESS PERSON
3115 HYSTERICAL PERSONALITY
3117 ANTISOCIAL PERSONALITY

Diagnostic Category 19: ICDA8 291-2919, 303-3039
HICDA 3020-3039, 3130-3139
HICDA2 302-3029, 313-3139



*M = MADOC Group Code

19 Alcoholic Mental Disorder and Addiction

ICDA8

X1

DX2

AC CODE
7802 -CONVULSIONS
2859 ANEMIA, UNSPECIFIED
4010 ESSENTIAL BENIGN HYPERTENSION
7880 -ELECTROLYTE DISORDERS
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
3099 DIS,NCT PSYCHOTIC,PHYS CONDIT-OTHER OR UNSPECIFIED PHYSI
429 CARDIOMYOPATHY
3579 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-OTH
2955 LATENT SCHIZOPHRENIA

X2

DX2

3032 ALCOHOLIC ADDICTION
3031 HABITUAL EXCESSIVE DRINKING
5715 CIRRHOSIS OF LIVER-ALCOHOLIC
2910 -DELIRIUM TREMENS
3004 DEPRESSIVE NEUROSIS
3039 OTHER AND UNSPECIFIED ALCOHOLISM
5770 ACUTE PANCREATITIS
5771 CHRONIC PANCREATITIS
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT

HICDA

X1

DX2

NO CODE
7802 CONVULSIONS
5350 GASTRITIS AND DUODENITI
4010 HYPERTENSION ESSENT BEN
3100 ANXIETY NEUROSIS
2859 ANEMIA UNSPECIFIED

X2

DX2

3132 ALCOHOLISM ADDICTION
3139 ALCOHOLISM OTHER / UNS
5710 LAENNEC'S CIRRHOSIS LVR
5920 PULMONARY EMPHYSEMA
3105 DEPRESSIVE NEUROSIS
3020 AC ALCO PSYCHO DEL TREM
3059 CHR NONPSYCHOT SYND NOS
2500 DIABETES MELLITUS UNCON
3039 CHR PSYCHO ALCO OTH/UNS
4860 PNEUMONIA ORG / TYPE NO
4129 CHR HT DIS OTHER / UNS
2999 NUTRITION DEF OTH / UNS
5739 LIVER DISEASE OTH / UNS

HICDA2

X1

DX2

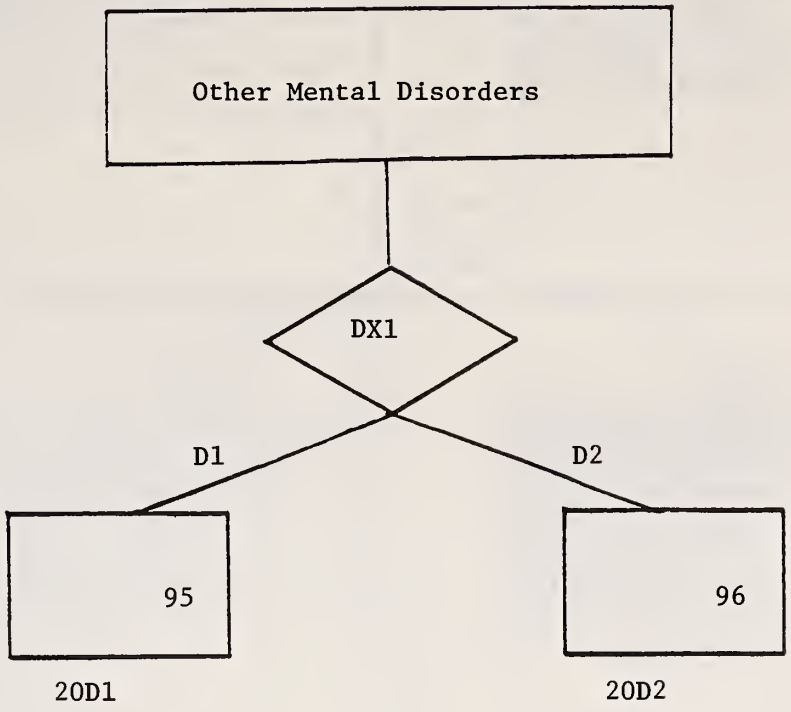
NO CODE
7703 CONVULSIONS
4010 BENIGN HYPERTENSION
5350 GASTRITIS/DUODENITIS NOS
3022 ACUTE ALC INTOXICATION
3024 SIMPLE DRUNKENNESS NOS
3100 ANXIETY NEUROSIS
7902 DEHYDRATION NEC
2500 DIAB MEL ADULT ONSET NOS
4920 PULMONARY EMPHYSEMA

X2

DX2

3132 ALCOHOLIC ADDICTION
5711 LAENNEC'S CIRRHOSIS
3020 DELIRIUM TREMENS
3105 DEPRESSIVE NEUROSIS
3139 ALCOHOLISM NEC & NOS
5770 ACUTE PANCREATITIS
4960 CHR OBSTRUCTIVE LUNG DIS
3113 PASSIVE-AGGRESS PERSON
5771 CHRONIC PANCREATITIS
5739 LIVER DISEASE NEC & NOS

Diagnostic Category 20: ICDA8 290-2901, 292-2949, 304-3159
HICDA 2900-3019, 3040-3059, 3140-3189
HICDA2 290-2959, 296-3019, 303-3059, 314-3189



20 Other Mental Disorders

ICDA8

D1

DX1

3068 -CEPHALALGIA
3070 TRANSIENT SITUATIONAL DISTURBANCES
3055 PHYS DIS PRESUM PSYCHOGENIC ORG-GASTROINTESTINAL
3049 DRUG DEPENDENCE-UNSPECIFIED
307 TRANSIENT SITUATIONAL DISTURBANCES
3059 PHYSICAL DISORDERS OF PRESUMABLY PSYCHOGENIC ORIGIN-OTHE
3040 DRUG DEPENDENCE-OPIUM, OPIUM ALKALOIDS, AND THEIR DERIVA
315 UNSPECIFIED MENTAL RETARDATION
308 BEHAVIOR DISORDERS OF CHILDHOOD
3053 PHYS DIS PRESUM PSYCHOGENIC ORG-CARDIOVASCULAR
3069 SPECIAL SYMPTOMS NOT ELSEWHERE CLASSIFIED-OTHER
3159 UNSPECIFIED MENTAL RETARDATION-OTHER AND UNSPECIFIED
3080 BEHAVIOR DISORDERS OF CHILDHOOD
3072 NC CODE
3041 DRUG DEPENDENCE-SYNTHETIC ANALGESICS WITH MORPHINE-LIKE
3043 DRUG DEPENDENCE-OTHER HYPNOTICS AND SEDATIVES OR TRANQUI
3073 NC CODE
3056 PHYS DIS PRESUM PSYCHOGENIC ORG-GENITOURINARY
3051 PHYS DIS PRESUM PSYCHOGENIC ORG-MUSCULOSKELETAL

D2

DX1

3099 DIS,NOT PSYCHOTIC,PHYS CONDIT-OTHER OR UNSPECIFIED PHYSI
2900 SENILE DEMENTIA
3065 -FEEDING DISTURBANCES
3093 DIS,NOT PSYCHOTIC,PHYS CONDIT-CIRCULATORY DISTURBANCE
2901 PRESENILE DEMENTIA
2943 PSYCHOSIS WITH-DRUG OR POISON INTOXICATION
2930 PSYCHOSIS WITH-CEREBRAL ARTERIOSCLEROSIS
2949 PSYCHOSIS WITH-UNSPECIFIED PHYSICAL CONDITION
2944 PSYCHOSIS WITH-CHILDBIRTH
3092 DIS,NOT PSYCHOTIC,PHYS CONDIT-BRAIN TRAUMA
309 MENTAL DISORDERS NOT SPECIFIED AS PSYCHOTIC ASSOCIATED W
3096 DIS,NOT PSYCHOTIC,PHYS CONDIT-SENILE OR PRESENILE BRAIN
2932 PSYCHOSIS WITH-EPILEPSY

HICDA

D1

DX1

3172 ADJUST REACT ADOLESCENC
3173 ADJUST REACT ADULT LIFE
3155 PSYCHOPHYS GASTROINTEST
3168 CEPHALALGIA
3169 SPECIAL SYMP OTH
3140 DEPENDENCE ON OPIUM
2950 MR UNS POST INF / INTOX
3170 ADJUST REACT INFANCY
3171 ADJUST REACT CHILDHOOD
2959 MR UNS OTHER / UNSPEC
3147 DEPENDENCE UNSPECIFIED
3151 PSYCHOPHYS MUSCULOSKEL
3141 DEPEND SYN ANAL MORPH
3159 PSYCHOPHYSIOLOGIC OTHER
3153 PSYCHOPHYS CARDIOVASCUL
3180 HYPERKINETIC REACTION
3152 PSYCHOPHYS RESPIRATORY
3174 ADJUST REACT LATE LIFE
3143 DEPENDENCE HYPNOTIC/SED
3142 DEPENDENCE BARBITURATE

D2

DX1

3059 CHR NONPSYCHOT SYND NOS
3049 AC N-PSYCHO PHY COND NO
2957 CHR PSYCHO SNIL DEMENTI
3053 CHR N-PSYCHO CIRC DIST
2958 CHR PSYCHO PRESNIL DEME
3009 AC PSYCHO PHY COND UNS
3056 CHR N-PSYCHO SENILE
2990 CHR PSYCHO CEREB ARTSC
3041 AC N-PSYCHO DRUG POISON
3019 CHR PSYCHO PHY COND UNS
3000 AC PSYCHO ENDOCRINE DIS
3003 AC PSYCHO POISON INTOX

HICDA2

D1

DX1

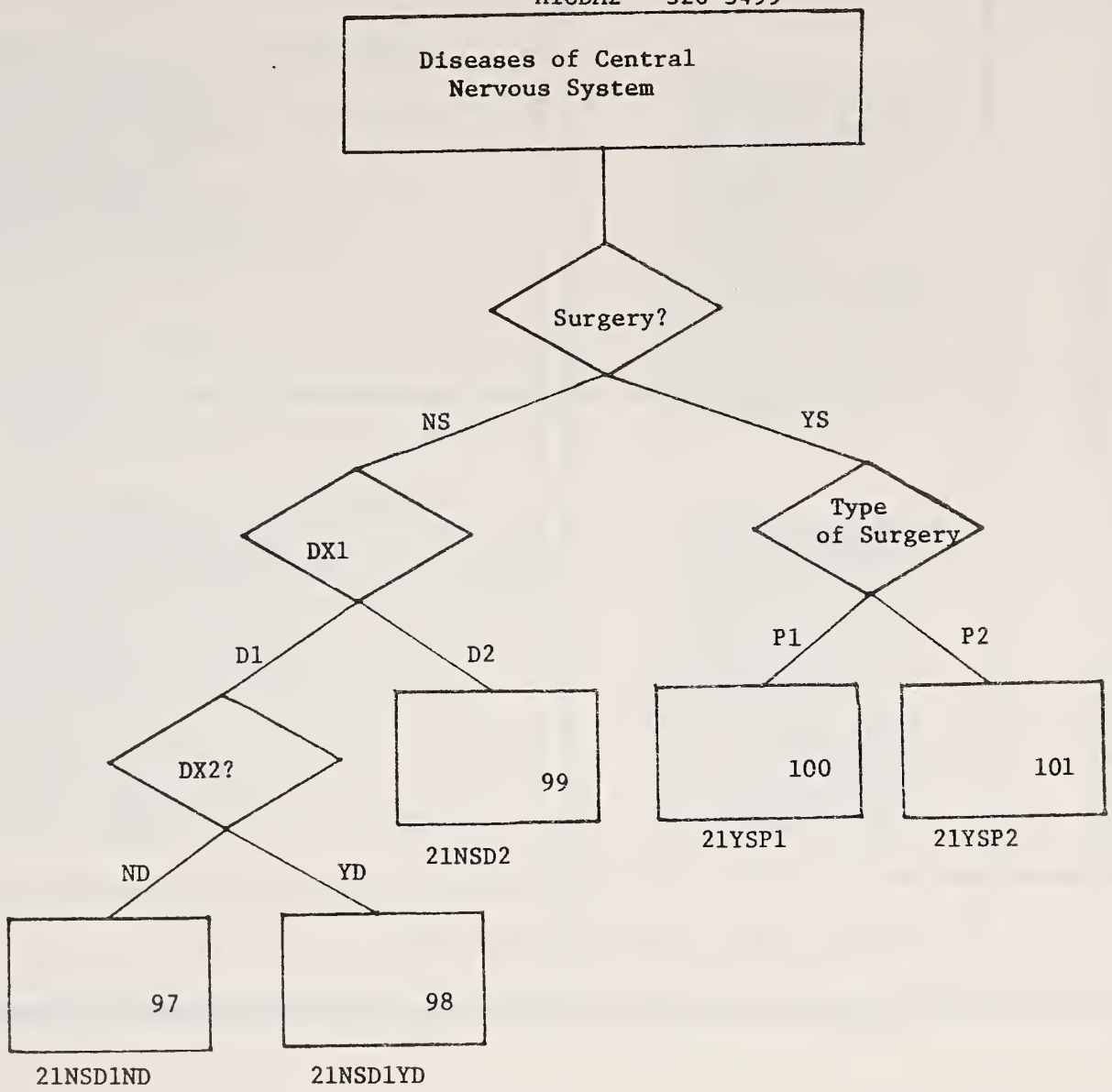
3155 PSYCHOGENIC GI DISORDER
3173 ADJUST REACT ADULT LIFE
3168 CEPHALALGIA
3172 ADJUST REACT ADOLESCENCE
3169 SPECIAL SYMPTOM NEC
3149 DEPENDENCE NOS
3153 PSYCHOGENIC CARDIOVASC
3140 DEPENDENCE ON OPIUM
3151 PSYCHOGENIC MUS-SKEL DIS
2959 RETARDED-CAUSE NEC
2950 RETARDED-POST INFECTION
3180 HYPERKINETIC REACTION
3159 PSYCHOGENIC DISORDER NEC
3189 BEHAVIOR DISORDER NEC
3152 PSYCHOGENIC RESP DIS
3171 ADJUST REACT CHILDHOOD
3166 ENUPESIS
3163 PSYCHOMOTOR DISORDER NEC
3141 SYNTH ANALGESIC DEPENDEN

D2

DX1

3049 AC BRAIN SYN & DIS NEC
3059 CH BRAIN SYN & DIS NEC
2957 CH PSYCHOSIS & SENILITY
3053 CH BRAIN SYN & CIRCU DIS
3165 FEEDING DISTURBANCES
2998 CH PSYCH & PRESEN DEMENT
3032 PATH DRUG INTOXICATION
3009 AC PSYCHOSIS & DIS NOS
3019 CH PSYCHOSIS & DIS NOS
3056 CH BRAIN SYN & SENILITY
2990 CH PSYCHOSIS & CV ISCHEM
3042 AC BRAIN SYN & BR TRAUMA

Diagnostic Category 21: ICDA8 320-3499
HICDA 3200-3240, 3300-3339, 340-3499
HICDA2 320-3499



21 Diseases of Central Nervous System

ICDA8

D1

DX1

3479 OTHER DISEASES OF BRAIN-OTHER AND UNSPECIFIED
3429 EPILEPSY-OTHER AND UNSPECIFIED
3451 EPILEPSY-GENERALIZED CONVULSIVE
3460 MIGRAINE
3453 EPILEPSY-PARTIAL (FOCALIZED), TEMPORAL LOBE OR PSYCHOMOT
3452 EPILEPSY-STATUS EPILEPTICUS
3455 EPILEPSY-PARTIAL (FOCALIZED), OTHER AND UNSPECIFIED TYPE
3440 -AMYOTROPHIC LATERAL SCLEROSIS
3439 CEREBRAL SPASTIC INFANTILE PARALYSIS-OTHER AND UNSPECIFI
346 MIGRAINE
341 OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM
3450 EPILEPSY-GENERALIZED NONCONVULSIVE
3410 OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM
3311 -DYSTONIA MUSCULORUM DEFORMANS
3449 OTHER CEREBRAL PARALYSIS-OTHER AND UNSPECIFIED
3454 EPILEPSY-PARTIAL (FOCALIZED), MOTOR TYPE

D2

DX1

342 PARALYSIS AGITANS
3209 MENINGITIS-H. INFLUENZAE
3420 PARALYSIS AGITANS
343 MULTIPLE SCLEROSIS
3400 MULTIPLE SCLEROSIS
3441 -HEMIPLEGIA
3203 MENINGITIS-H. INFLUENZAE
3499 OTHER DISEASES OF SPINAL CORD-OTHER AND UNSPECIFIED
323 ENCEPHALITIS, MYELITIS, AND ENCEPHALOMYELITIS
3310 -HEREDITARY CHOREA
3471 -CEREBRAL AND CORTICAL ATROPHY
3201 MENINGITIS-PNEUMOCOCCUS
3442 -PARAPLEGIA
3208 MENINGITIS-DUE TO OTHER SPECIFIED ORGANISM
3230 ENCEPHALITIS, MYELIIIS, AND ENCEPHALOMYELITIS

HICDA

D1

DX1

3451 EPILEPSY MAJOR
3459 EPILEPSY OTHER / UNSPEC
3460 MIGRAINE HEADACHES
3479 BRAIN DIS OTHER / UNSPE
3449 CEREBRAL PARALYSIS NOS
3452 STATUS EPILEPTICUS
3455 EPIL SEIZURES OTH / UNS
3439 CEREBRAL PALSY UNSPEC
3440 AMYOTROPHIC SCLEROSIS
3453 EPIL SEIZURES PSYCHOMOT
3450 EPILEPSY MINOR
3461 MIGRAINE EQUIVALENTS
3431 CEREBRAL PALSY OTH SPAS
3489 MOTOR NEURON DISEASE NO
3473 PSEUDOTUMOR CEREBRI

D2

DX1

3420 PARALYSIS AGITANS
3400 MULTIPLE SCLEROSIS
3471 CEREBRAL ATROPHY
3441 HEMIPLEGIA PARALYSIS OT
3209 MENING UNSPEC ORGANISM
3472 ACQUIRED HYDROCEPHALUS
3310 HEREDITARY CHOREA
3410 DEMYELINAT DIS CNS OTHE
3442 PARAPLEGIA PARALYSIS OT
3200 MENING H INFLUENZAE
3493 SPIN PARALYSIS PARAPLEG
3230 ENCEPHALITIS

HICDA2

D1

DX1

3451 MAJOR EPILEPSY
3459 EPILEPSY NEC & NOS
3460 MIGRAINE HEADACHES
3479 BRAIN DISEASE NEC & NOS
3455 FOCAL EPILEPSY NEC & NOS
3452 STATUS EPILEPTICUS
3453 PSYCHOMOTOR EPILEPSY
3472 ACQUIRED HYDROCEPHALUS
3482 MYASTHENIA GRAVIS
3440 AMYOTROPHIC SCLEROSIS
3449 CEREBRAL PARALYSIS NOS
3410 CNS DEMYELINATION NEC
3461 MIGRAINE EQUIVALENTS
3439 CEREBRAL PALSY NOS
3450 MINOR EPILEPSY
3473 PSEUDOTUMOR CEREBRI
3454 EPILEPSY, MOTOR TYPE
3489 MOTOR NEURON DISEASE NEC

D2

DX1

3420 PARALYSIS AGITANS
3400 MULTIPLE SCLEROSIS
3209 MENING UNSPEC ORGANISM
3441 CEREBRAL HEMIPLEGIA
3200 MENINGITIS, H INFLUENZAE
3471 CEREBRAL ATROPHY
3230 ENCEPHALITIS
3442 CEREBRAL PARAPLEGIA
3499 SPINAL CORD DIS NEC/NOS
3202 MENINGITIS, PNEUMOCOCCUS
3494 SPINAL QUADRIPLEGIA
3231 MYELITIS
3490 SYRINGOMYELIA

21 Diseases of Central Nervous System
(Cont'd.)

ICDA8

P1

OPER1	
887	OTHER PLASTIC OPERATIONS ON TENDON AND FASCIA
875	ARTHRODESIS AND STABILIZATION OF FOOT AND ANKLE
881	DIVISION OF MUSCLE, TENDON AND FASCIA
823	OTHER BIOPSY OF MUSCULOSKELETAL SYSTEM
44C	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
024	REVISION OR REMOVAL OF SHUNT
04B	NERVE BLOCK, PERIPHERAL
039	OTHER OPERATIONS ON SPINAL CORD, NERVE ROOTS AND SPINAL
885	TRANSPLANTATION OF MUSCLE AND TENDON
127	BIOPSY OF BONE
464	GASTROSTOMY
052	NERVE BLOCK, SYMPATHETIC
876	ARTHRODESIS AND STABILIZATION OF OTHER JOINTS
445	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
881	DIVISION OF CAPSULE, CARTILAGE OR LIGAMENT
321	THORACENTESIS
884	TRANSPLANTATION OF MUSCLE AND TENDON OF HAND
733	DILATION AND CURETTAGE OF UTERUS
441	RHINOSCOPY FOR REMOVAL OF FOREIGN BODY
442	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
682	SALPINGECTOMY, BILATERAL
801	DIVISION OF FEMUR
816	TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT

P2

OPER1	
022	VENTRICULAR DRAINAGE OR SHUNTING
033	LAMINECTOMY
864	EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK)
015	OPERATIONS ON THALAMUS AND GLOBUS PALLIDUS
013	CRANIOTOMY
295	EMERGENCY TRACHEOTOMY OR TRACHEOSTOMY
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
813	BIOPSY OF INTRACRANIAL TISSUE
542	PROSTATECTOMY, TRANSURETHRAL
674	SPINAL FUSION
013	INCISION WITH DRAINAGE, INTRACRANIAL
046	NEUROLYSIS OF PERIPHERAL NERVE
016	EXCISION OF LESION AND TISSUE OF BRAIN AND CEREBRAL MEN
803	ARTHROTOMY

HICDA

P1

OPER1	
997	SPINAL PUNCTURE
931	MYELOGRAPHY
971	PHYSICAL THERAPY
916	NONSURG CYSTOSCOPY URET
950	ARTERIOGRAPHY HEAD NECK
930	ENCEPHALOGRAPHY VENTRIC
024	REVIS OF VENTRIC SHUNT
946	RADIOISOTOPE SCAN EXAMI
858	BICP MUSC TENO FASC BUR
857	TENDON PLAS EXC HAND OT
125	EXTRACT LENS INTRACAPSU
855	TRANSPL MUS TEN EXC HAN
915	NONSURG ENDOSCOPY
047	NERVE BLOCK PERIPHERAL
380	BONE MARROW ASPIRATION
620	CYSTOTOMY
845	ARTHRODESIS FOOT / ANKL
914	NONSURG ESOPHAGOSCOPY

P2

OPER1	
023	VENTRIC SHUNT OR ANASTO
010	CRANIOTOMY
022	VENTRICULOSTOMY
030	LAMINECTOMY
013	INCIS W DRAIN INTRACRAN
903	FREE SKIN GRAFT OTH LOC
652	PROSTATECTOMY TRANSURET
834	EXCIS INTERVERTEB CARTI
040	EXPLORATION PERIPH NERV
891	LOC EXC SKIN SUBCUT LES
220	LARYNGOTOMY TRACHEOTOMY
913	NONSURG BRONCHOSCOPY
527	BIOP LIVER PERCUTANEOUS
892	RAD EXCIS SKIN LESION
841	ARTHROPLAS HIP W MEC DE

HICDA2

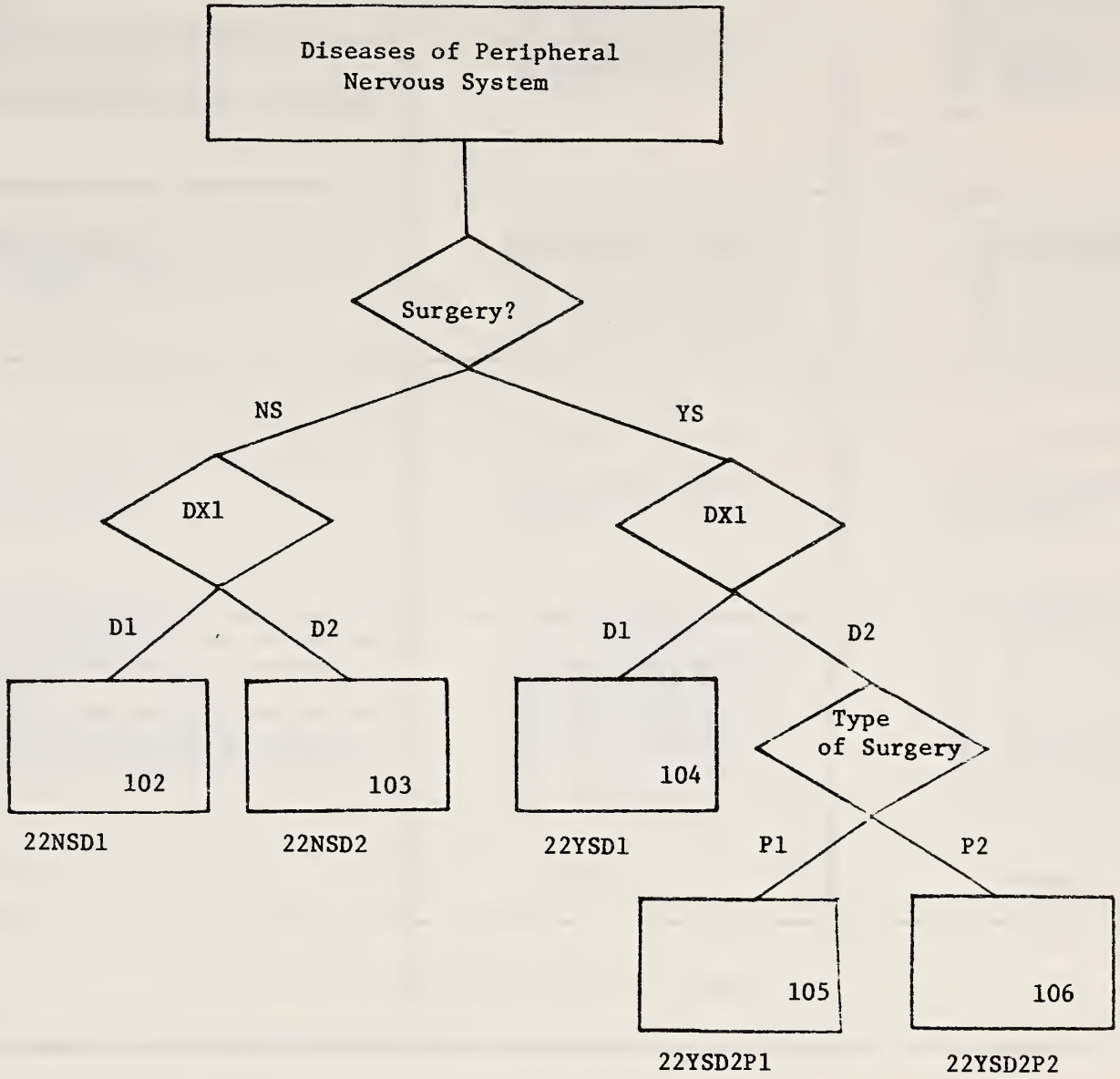
P1

OPER1	
925	CYSTOURETHROSCOPY
024	VENT SHUNT REVISION
832	DIVIS-MUSCLE TENDON FASC
833	EXCIS LES-MUSC TENO BURS
838	MUSC TENO FASC PLAST NEC
077	THYMECTOMY
923	ESOPHAGOGASTROSCOPY
825	TRANSPLANT-MUS TENO-HAND
837	MUSCLE TENDON TRANSPLANT
811	ARTHRODESIS-FOOT & ANKLE
924	PROCTOSIGMOIDOSCOPY
690	OBC
383	ANGIOTOMY
432	PERMANENT GASTROSTOMY
803	JOINT CAPSULE DIVISION
783	EXCISION BONE LESION
020	CRANIOPLASTY
033	EXCIS SPINAL CORD LESION
401	SIMPLE EXCIS LYMPH NODE
890	SKIN & SUBCUT SUTURE
781	DIVISION OF BONE

P2

OPER1	
023	VENTRICULAR SHUNT
030	SPINAL CORD EXPLORATION
011	CRANIOTOMY
022	VENTRICULOSTOMY
311	TEMPORARY TRACHEOSTOMY
885	EXCISION SKIN LESION
805	EXCISION INTERVERT DISC
585	URETHRAL DILATION
013	OP ON THALAMUS & GLOBUS
884	WOUND DEBRIDEMENT
031	NERVE ROOT DIVISION
602	TRANSURETH PROSTATECTOMY
810	SPINAL FUSION
010	CRANIAL TAP
802	ARTHROTOMY

Diagnostic Category 22: ICDA8 350-3580, 3589
HICDA 350-3580, 3589
HICDA2 350-3589



22 Diseases of Peripheral Nervous System

ICDA8

NSD1

DX1

3579 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-OTH
3551 OTHER AND UNSPECIFIED FORMS OF NEURALGIA AND NEURITIS-S
3559 FORMS OF NEURALGIA AND NEURITIS-OTHER AND UNSPECIFIED
3500 FACIAL PARALYSIS
3572 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-MED
351 TRIGEMINAL NEURALGIA
3510 TRIGEMINAL NEURALGIA
3550 OTHER AND UNSPECIFIED FORMS OF NEURALGIA AND NEURITIS-C
3570 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-CER
353 FACIAL PARALYSIS
3573 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-ULN
3560 OTHER DISEASES OF CRANIAL NERVES

NSD2

DX1

3530 SCIATICA
3540 POLYNEURITIS AND POLYRADICULITIS
354 POLYNEURITIS AND POLYRADICULITIS
3520 BRACHIAL NEURITIS
352 BRACHIAL NEURITIS
3589 DISEASES OF PERIPHERAL AUTONOMIC NERVOUS SYSTEM-OTHER AN
353 SCIATICA

YSD1

DX1

3572 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-MED
356 OTHER DISEASES OF CRANIAL NERVES
3589 DISEASES OF PERIPHERAL AUTONOMIC NERVOUS SYSTEM-OTHER AN

YSD2

DX1

3579 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-OTH
3573 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-CEP
3573 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-ULN
3530 SCIATICA
351 TRIGEMINAL NEURALGIA
3559 FORMS OF NEURALGIA AND NEURITIS-OTHER AND UNSPECIFIED
3551 OTHER AND UNSPECIFIED FORMS OF NEURALGIA AND NEURITIS-S
350 FACIAL PARALYSIS
3510 TRIGEMINAL NEURALGIA
3503 FACIAL PARALYSIS
3540 POLYNEURITIS AND POLYRADICULITIS

HICDA

NSD1

DX1

3579 PERIPH NERVE DISEASE NO
3551 SPINAL NEURALGIA
3510 TRIGEMINAL NEURALGIA
3559 NEURALGIA OTHER / UNSPE
3500 FACIAL PARALYSIS
3570 CERVICAL / BRACHIAL PLE
3572 MEDIAN PERIPH NERVE DIS
3550 CRANIAL NEURALGIA
3573 ULNAR PERIPH NERVE DIS

NSD2

DX1

3530 SCIATICA
3540 POLYNEURITIS / POLYRADI
3520 BRACHIAL NEURITIS
3589 PERIPH AUTO N S DIS OTH
3513 NO CODE

YSD1

DX1

3572 MEDIAN PERIPH NERVE DIS
3589 PERIPH AUTO N S DIS OTH
3560 CRANIAL NERVES DIS OTHE

YSD2

DX1

3574 PLANTAR PERIPH NERVE DI
3570 CERVICAL / BRACHIAL PLE
3579 PERIPH NERVE DISEASE NO
3510 TRIGEMINAL NEURALGIA
3573 ULNAR PERIPH NERVE DIS
3530 SCIATICA
3559 NEURALGIA OTHER / UNSPE
3551 SPINAL NEURALGIA
3500 FACIAL PARALYSIS
3540 POLYNEURITIS / POLYRADI
3550 CRANIAL NEURALGIA
3520 BRACHIAL NEURITIS

HICDA2

NSD1

DX1

3551 SPINAL NERVE NEURALGIA

NSD2

DX1

3530 SCIATICA
3540 POLYNEURITIS
3520 BRACHIAL NEURITIS
3589 AUTONOMIC NERVE DIS NEC

YSD1

DX1

3572 MEDIAN NERVE DISEASE
3589 AUTONOMIC NERVE DIS NEC

YSD2

DX1

3575 PLANTAR NERVE DISEASE
3570 CERV-BRACHIAL PLEXUS DIS
3510 TRIGEMINAL NEURALGIA
3573 ULNAR NERVE DISEASE
3579 PERIPH NERVE DISEASE NEC
3576 LEG NERVE DISEASE NEC
3530 SCIATICA
3500 FACIAL PARALYSIS
3559 NEURALGIA NEC & NOS
3574 ARM NERVE DISEASE NEC
3551 SPINAL NERVE NEURALGIA
3520 BRACHIAL NEURITIS
3540 POLYNEURITIS

22 Diseases of Peripheral Nervous System
(Cont'd)

ICDA8

YSD2P1

OPER1

042 EXCISION AND DESTRUCTION OF LESION OF PERIPHERAL NERVE
081 DIVISION OF MUSCLE, TENDON AND FASCIA
040 EXPLORATION OF PERIPHERAL NERVE
045 NEUROPLASTY OF PERIPHERAL NERVE
043 NEURECTOMY OR AVULSION OF PERIPHERAL NERVE
046 NEUROLYSIS OF PERIPHERAL NERVE
052 NERVE BLOCK, SYMPATHETIC
048 NERVE BLOCK, PERIPHERAL
010 CRANIOTOMY
085 TRANSPLANTATION OF MUSCLE AND TENDON

YS02P2

OPER1

804 EXCISION OF BONE, PARTIAL
816 TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT
030 LAMINECTOMY
051 SYMPATHECTOMY OR GANGLIONECTOMY
031 NERVE ROOT SECTION, SPINAL
045 PROCSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
041 SECTION OF PERIPHERAL NERVE
027 BIOPSY OF BONE
806 OSTECTOMY, COMPLETE
205 EMERGENCY TRACHEOTOMY OR TRACHEOSTOMY
435 CHOLECYSTECTOMY
064 EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK)
073 BLEPHARORRHAPHY
028 OTHER BIOPSY OF MUSCULOSKELETAL SYSTEM
029 OTHER BIOPSY OF CIRCULATORY AND LYMPHATIC SYSTEMS
146 EXTRACTION OF LENS, INTRACAPSULAR
039 OTHER OPERATIONS ON SPINAL CORD, NERVE ROOTS AND SPINAL
575 DILATION OF URETHRA

HICDA

YS02P1

OPER1

042 EXC PERIPHERAL NERVE LE
045 NEUROPLASTY OF PERIPH N
047 NERVE BLOCK PERIPHERAL
043 NEURECTOMY OF PERIPH NV
040 EXPLORATION PERIPH NERV
041 SECTION OF PERIPH NERVE
851 DIV MUSCLE TEND EXC HAN
049 PERIPH NERVE OPER OTHER
031 RHIZOTOMY / RADICULECT
052 SYMPATHETIC NERVE BLOCK
891 LCC EXC SKIN SUBCUT LES
855 TRANSPL MUS TEN EXC HAN

YS02P2

OPER1

931 MYELOGRAPHY
971 PHYSICAL THERAPY
046 NEUROLYSIS OF PERIPH NV
051 SYMPATHECTOMY GANGLECTOM
048 NV TRANSPLANTAT PERIPH
803 PARTIAL EXCISION OF BON
802 LCC EXCIS OF BONE LESIO
853 RESECT MUS TEND EXC HAN
997 SPINAL PUNCTURE
950 ARTERIOGRAPHY HEAD NECK
030 LAMINECTOMY
834 EXCIS INTERVERTEB CARTI
946 RADIOISOTOPE SCAN EXAMI
804 COMPLETE OSTECTOMY
801 DIVISION OF BONE
842 PLAS / REC FOOT TOE JTS
858 BIOP MUSC TEND FASC SUR
915 NONSURG ENDOSCOPY
916 NONSURG CYSTOSCOPY UPET
032 CHORDOTOMY

HICDA2

YS02P1

OPER1

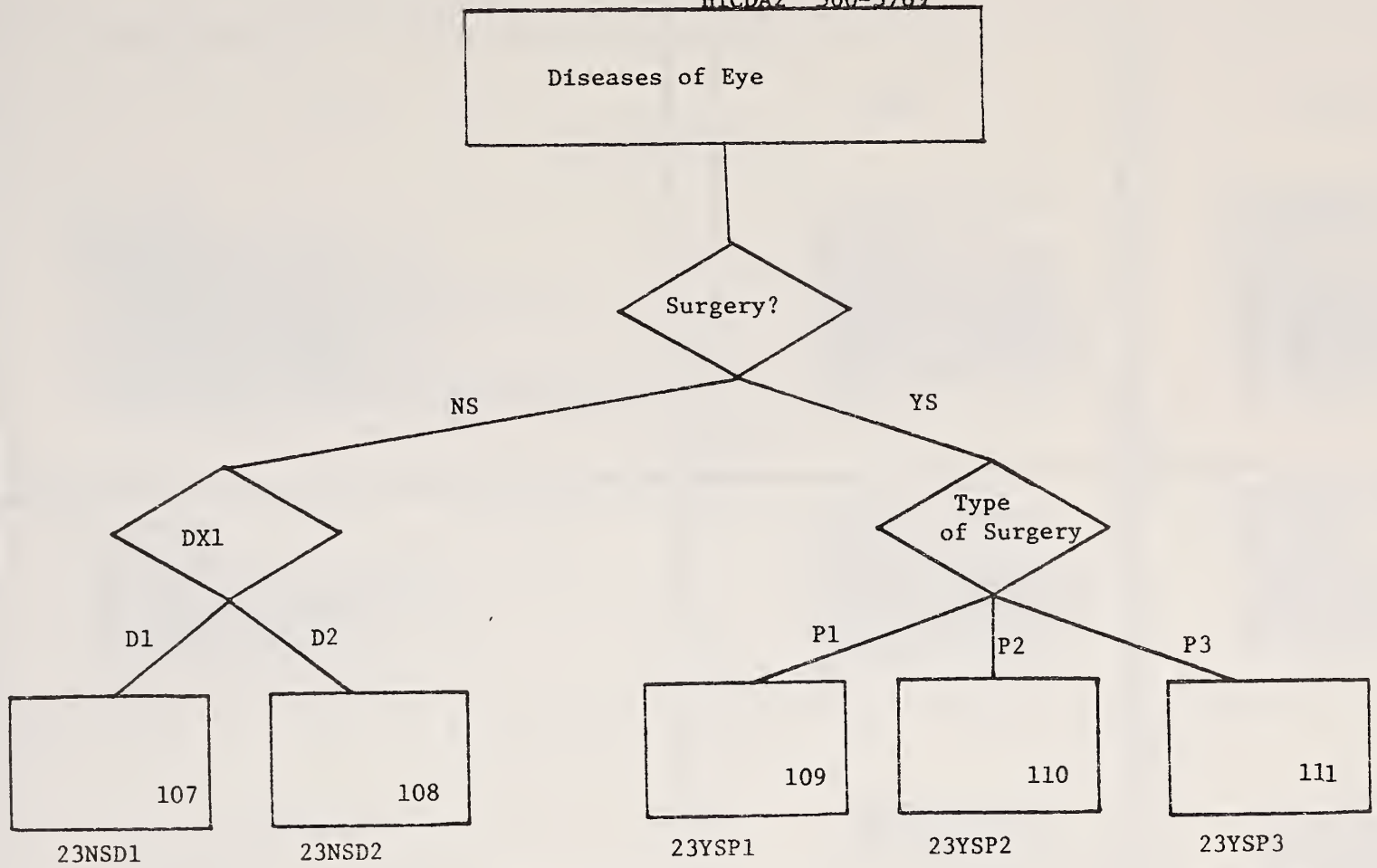
042 EXCIS PERIPH NERVE LES
041 PERIPH NERVE RESECTION
044 PERIPHERAL NEUROLYSIS
040 EXPLORATION PERIPH NERVE
046 PERIPH NERVE TRANSPOSIT
832 DIVIS-MUSCLE TENDON FASC
048 PERIPHERAL NERVE INJECT
885 EXCISION SKIN LESION
031 NERVE ROOT DIVISION
047 PERIPH NEUROPLASTY NEC
052 SYMPATH NERVE INJECTION
043 PERIPHERAL NEURORRHAPHY

YS02P2

OPER1

783 EXCISION BONE LESION
038 INJECT INTO CORD NEC
805 EXCISION INTERVERT DISC
925 CYSTOURETHROSCOPY
924 PROCTOSIGMOIDOSCOPY
011 CRANIOTOMY
051 SYMPATH NERVE EXCISION
030 SPINAL CORD EXPLORATION
781 DIVISION OF BONE
764 PARTIAL OSTECTOMY
883 SKIN & SUBCUT INCIS NEC
801 JOINT INJECT-THERAPEUTIC
923 ESOPHAGOGASTROSCOPY
500 PERCUTANEOUS LIVER ASPIR
833 EXCIS LES-MUSC TEND BURS
095 EYELID PTOSIS CORRECTION
541 ABDOMINAL WALL INCISION
392 SHUNT & GRAFT BYPASS NEC
585 URETHRAL DILATION
785 TOTAL OSTECTOMY

Diagnostic Category 23: ICDA8 360-3789
HICDA 360-3789
HICDA2 360-3789



23 Diseases of Eye

ICDA8

D1

DX1

3749 CATARACT-SENILE AND UNSPECIFIED TYPE
3730 STRABISMUS-ESOTROPIA
3782 -OTHER DISEASES OF EYELID
3759 GLAUCOMA-UNSPECIFIED
3731 STRABISMUS-EXOTROPIA
3776 OTHER DISEASES OF OPTIC NERVE
3600 CONJUNCTIVITIS AND OPHTHALMIA
3740 CATARACT-TRAUMATIC
360 CONJUNCTIVITIS AND OPHTHALMIA
368 INFLAMMATION OF LACRIMAL GLANDS AND DUCTS
3783 -DISEASES OF CONJUNCTIVA AND LACRIMAL TRACT NEC
3760 -CHALAZION
3772 AMBLYOPIA

D2

DX1

3786 -OTHER DISEASES OF IRIS, CHOROID, AND UVEAL TRACT
3690 OTHER INFLAMMATORY DISEASES OF EYE-ABSCESS AND CELLULITI
3771 VASCULAR LESIONS OF RETINA
3739 STRABISMUS-OTHER AND UNSPECIFIED
3630 KERATITIS-WITH ULCERATION
367 INFLAMMATION OF OPTIC NERVE AND RETINA
366 OTHER INFLAMMATION OF UVEAL TRACT
3789 -DISEASES OF EYEBALL, OCULAR MUSCLE, AND ORBIT NEC
3750 GLAUCOMA-PRIMARY, ACUTE
3670 INFLAMMATION OF OPTIC NERVE AND RETINA
376 DETACHMENT OF RETINA
3639 KERATITIS-WITHOUT MENTION OF ULCER
3775 PAPILLEDEMA
3751 GLAUCOMA-CHRONIC (PRIMARY)
3660 OTHER INFLAMMATION OF UVEAL TRACT
362 HORDEOLUM
3620 HORDEOLUM

HICDA

D1

DX1

3749 CATARACT UNSPECIFIED
3742 CATARACT SENILE
3787 UVEAL TRACT DIS OTHER
3600 CONJUNCTIVITIS OPHTHAL
3759 GLAUCOMA UNSPECIFIED
3782 EYELID DISEASE OTHER
3789 EYEBALL / ORBIT DIS OTH
3752 GLAUCOMA SECONDARY
3699 INFLAM DIS OF EYE UNSPE
3784 CORNEA / SCLERA DIS OTH
3640 IRITIS
3683 INFLAM LACR GLAND DUCT
3730 CONVERGENT STRABISMUS
3739 STRABISMUS UNSPEC

D2

DX1

3770 VASCULAR LES OF RETINA
3690 ABSCESS CELLULITIS ORBI
3630 KERATITIS WITH ULCER
3750 GLAUCOMA PRIMARY ACUTE
3733 STRABIS - PARALYTIC NERV DI
3669 INFLAM UVEAL TRACT NOS
3760 DETACHMENT OF RETINA
3639 KERATITIS NO ULCER
3670 INFLAM OPTIC NERV RETIN
3771 DEGENERATION OF RETINA
3751 GLAUCOMA PRIMARY CHRONI
3774 RETINA DISEASE OTHER
3660 UVEITIS
3786 IRIS DISEASE OTHER
3620 HORDEOLUM
3776 OPTIC NERVE DISEASE OTH

HICDA2

D1

DX1

3749 CATARACT NOS
3787 UVEAL TRACT DISEASE NEC
3742 SENILE CATARACT
3600 CONJUNCTIVITIS
3730 CONVERGENT STRABISMUS
3782 EYELID DISEASE NEC
3759 GLAUCOMA NEC & NOS
3731 DIVERGENT STRABISMUS
3660 IRITIS
3739 STRABISMUS NOS
3789 EYEBALL & ORBIT DIS NEC
3700 MYOPIA
3752 SECONDARY GLAUCOMA
3732 VERTICAL STRABISMUS
3680 LACRIMAL INFLAMMATION

D2

DX1

3690 ORBITAL ABSCESS
3770 RETINAL VASCULAR LESION
3670 OPTIC & RETINAL INFLAM
3733 3,4,6 CRAN NERVE PALSY
3753 PRIMARY ACUTE GLAUCOMA
3630 KERATITIS WITH ULCER
3669 UVEAL TRACT INFLAM NEC
3620 HORDEOLUM
3776 OPTIC NERVE DISEASE NEC
3751 PRIMARY CHRONIC GLAUCOMA
3660 UVEITIS
3639 KERATITIS NOS
3774 RETINAL DISEASE NEC
3775 PAPILLEDEMA
3760 DETACHMENT OF RETINA
3661 CHORIORETINITIS

23 Diseases of Eye
(Cont'd)

ICDA8

P1

OPER1

105	MYECTOMY AND TENECTOMY, OCULAR
106	ADVANCEMENT OR RECESSION OF EYE MUSCLE
074	BLEPHAROPLASTY
147	OTHER OPERATIONS ON LENS
072	OTHER EXCISION AND DESTRUCTION OF LESION OF EYELID
086	PTERYGIUM OPERATION
140	DISCISSION OF LENS OR CATARACT
127	CYCLOCRYOTHERAPY
063	DACRYOCYSTORHINOSTOMY
071	REMOVAL OF CHALAZION
065	PROBING OF LACRIMAL TRACT
077	OPERATIONS ON LEVATOR PALPEBRAE MUSCLE AND TENDON
022	EXCISION OF LESION OF CONJUNCTIVA
112	KERATECTOMY AND DESTRUCTION OF LESION
139	OTHER OPERATIONS ON RETINA

P2

OPER1

145	EXTRACTION OF LENS, INTRACAPSULAR
121	IRIDECTOMY AND DESTRUCTION OF LESION OF IRIS OR CILIARY
144	EXTRACTION OF LENS, EXTRACAPSULAR
117	SCLERECTOMY AND DESTRUCTION OF LESION
131	REMOVAL OF EYEBALL

P3

OPER1

135	OTHER REATTACHMENT OF RETINA
114	KERATOPLASTY
119	SCLEROPLASTY AND REPAIR OF SCLERA

HICDA

P1

OPER1

120	DISCIS OF LENS CATARACT
153	BLEPHAROPLASTY
095	RESECTION MUS TENO OCUL
096	EYE MUS ADVANCE RECESS
165	DACRYOCYSTORHINOSTOMY
156	LEVATOR PALP MUSCLE OPE
135	PHOTOCOAGUL RETINA OTHE
119	CILIARY BODY OPER OTHER
142	EXCIS CONJUNCTIVE LESIO
151	EXCIS DESTRUCT LES EYEL
098	SHORTENING OF EYE MUSCL

P2

OPER1

125	EXTRACT LENS INTRACAPSU
124	EXTRACT LENS EXTRACAPSU
112	IRIDECTOMY DESTRUCT LES
126	LINEAR EXTRACTION LENS

P3

OPER1

134	REATTACHMENT RETINA OTH
130	CHOROID OPERATIONS
103	KERATOPLASTY
165	CONJUNCTIVOPLASTY
139	RETINA OPERATIONS OTHER

HICDA2

P1

OPER1

101	OCULAR MUSCLE RESECTION
102	OCULAR MUSC ADVANCEMENT
156	CATARACT EXTRACTION NEC
097	EYELID REPAIR NEC
091	EXCISION LESION EYELID
122	EXCISION OF PTERYGIUM
094	ENTROPION-ECTROPION OP
083	MANIPULATION LACRIM PASS
153	DISCISSION LENS CAPSULE
087	DACRYOCYSTORHINOSTOMY
095	EYELID PTOSIS CORRECTION
149	SCLERA-IRIS OP NEC

P2

OPER1

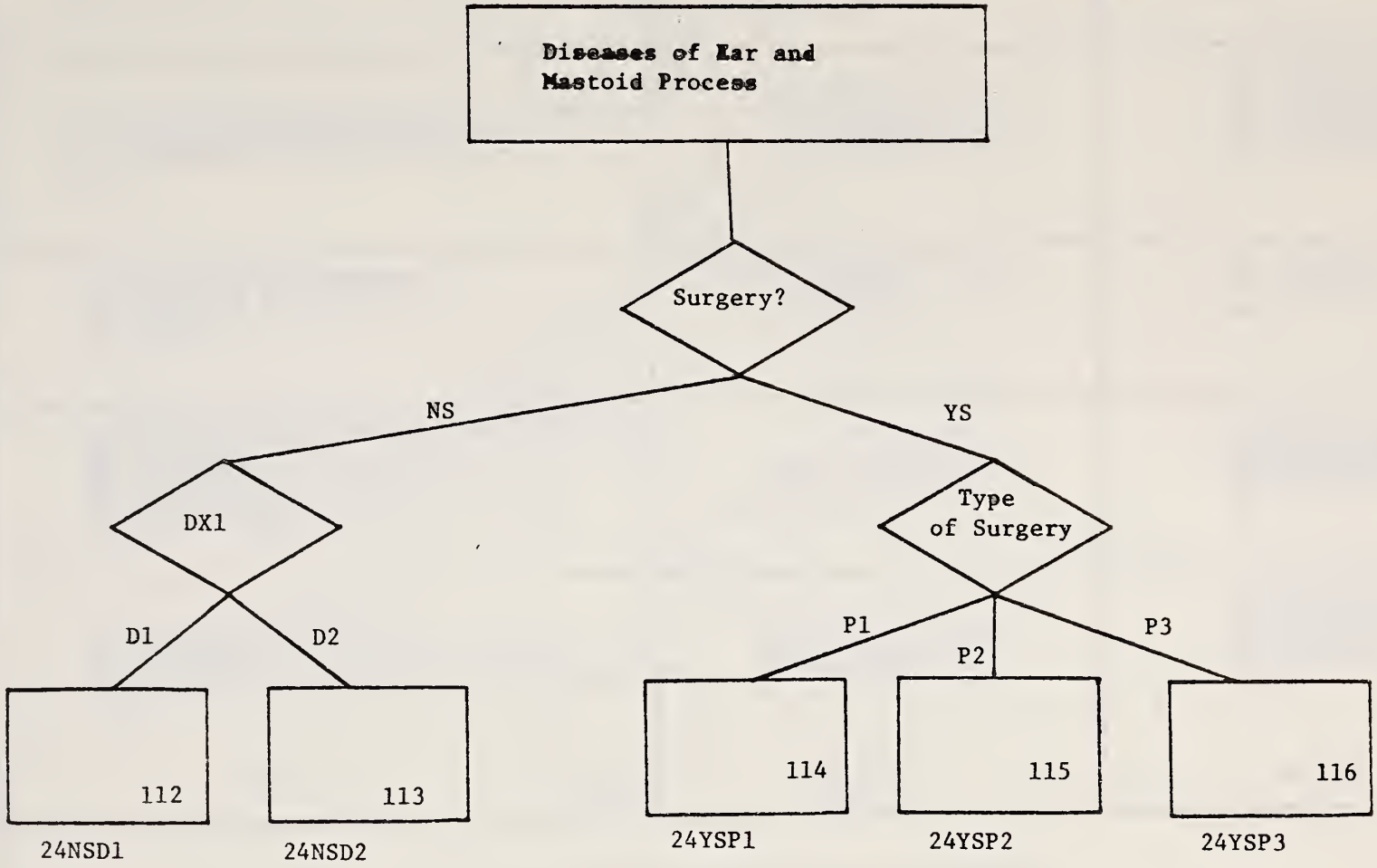
154	INTRACAP LENS EXTRACTION
136	IRIDECTOMY
155	EXTRACAP LENS EXTRACTION
174	REMOVAL OF EYEBALL

P3

OPER1

164	RETINAL REPAIR NEC
161	SCLERAL BUCKLING
125	CORNEAL TRANSPLANT
162	SCLER BUCKLING & IMPLANT
173	EVISCERAT OCULAR CONTENT
171	ORBITOTOMY

Diagnostic Category 24: ICDA8 380-3879
HICDA 380-3879
HICDA2 380-3892



24 Diseases of Ear and Mastoid Process

ICDA8

01

OX1

3819 OTITIS MEDIA WITHOUT MENTION OF MASTOIDITIS-UNSPECIFIED
3813 OTITIS MEDIA WITHOUT MENTION OF MASTOIDITIS-ACUTE
3811 OTITIS MEDIA WITHOUT MENTION OF MASTOIDITIS-CHRONIC
386 OTOSCLEROSIS
3872 -PERFORATION OF TYMPANIC MEMBRANE, NONTRAUMATIC
3870 -CHOLESTEATOMA OF EAR

02

OX1

3840 OTHER INFLAMMATORY DISEASES OF EAR-LABYRINTHITIS
3850 MENIERE'S DISEASE
385 MENIERE'S DISEASE
3879 OTHER DISEASES OF EAR AND MASTOID PROCESS-OTHER
3820 OTITIS MEDIA WITH MASTOIDITIS-ACUTE
3800 OTITIS EXTERNA
380 OTITIS EXTERNA
3830 MASTOIDITIS WITHOUT MENTION OF OTITIS MEDIA-ACUTE
3849 OTHER INFLAMMATORY DISEASES OF EAR-OTHER AND UNSPECIFIED

P1

OPER1

170 MYRINGOTOMY
213 ADENOIDECTOMY WITHOUT TONSILLECTOMY
178 OPERATIONS ON EUSTACHIAN TUBE
212 TONSILLECTOMY WITH ADENOIDECTOMY
175 OTHER OPERATIONS FOR STAPES FIXATION

P2

OPER1

174 STAPEDECTOMY WITH OSSICULAR RECONSTRUCTION
176 TYMPANOPLASTY, TYPE I (MYRINGOPLASTY)
177 OTHER TYPES OF TYMPANOPLASTY (TYPES II, III, IV, AND V)
171 INCISION AND DESTRUCTION PROCEDURES OF MIDDLE EAR
179 OTHER OPERATIONS ON MIDDLE EAR

P3

OPER1

172 MASTOIDECTOMY, COMPLETE OR RADICAL
173 OTHER EXCISION OF MIDDLE EAR
162 PLASTIC OPERATION ON EXTERNAL AUDITORY MEATUS
941 RECONSTRUCTION OF AURICLE OF EAR
160 INCISION OF EXTERNAL EAR
161 EXCISION AND DESTRUCTION OF LESION OF EXTERNAL EAR
180 INCISION AND DESTRUCTION PROCEDURES OF INNER EAR
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A27 BIOPSY OF BONE

HICDA

01

OX1

3819 OTITIS MEDIA UNSPEC
3813 OTITIS MEDIA ACUTE
3811 OTITIS MEDIA CHRONIC
3860 OTOSCLEROSIS
3831 MASTOIDITIS CHRONIC
3872 PERFORATION OF EAR DRUM
3841 NO CODE

02 02

OX1

3840 LABYRINTHITIS
3850 MENIERE'S DISEASE
3800 OTITIS EXTERNA
3879 EAR MASTOID PROC DIS OT
3849 INFLAM DIS EAR OTH / UN

P1

OPER1

160 MYRINGOTOMY
134 STAPEDECTOMY
282 TONSILLECTOMY W ADENOID
283 ADENOIDECTOMY NO TONSIL
165 STAPES MOBILIZATION

P2

OPER1

186 TYMPANOPLASTY TYPE 1
187 TYMPANOPLASTY OTH TYPES
181 INCIS DESTRUCT MID EAR
948 RADIOISOTOPE SCAN EXAMI
997 SPINAL PUNCTURE
192 FENESTRATION IN EAR OTH
891 LOC EXC SKIN SUBCUT LES

P3

OPER1

162 MASTOIDECTOMY
189 MIDDLE EAR OPERATION OT
183 MIDDLE EAR EXCISION OTH
199 INNER EAR OPERATION OTH
190 INCIS DESTRUCT INNER EA
171 EXCIS LES EXTERNAL EAR
170 INCISION OF EXTERNAL EA
176 PLASTIC OPER EXT AUD CA
206 RHINOPLASTY INTERNAL
023 VENTRIC SHUNT OR ANASTO
211 RADICAL MAXIL SINUSOTOM
210 SINUSOTOMY
570 REP HERN INGUIN NONRECU
175 RECONSTRUCT AURICLE EAR

HICDA2

01

OX1

3819 OTITIS MEDIA NOS
3812 ACUTE OTITIS MEDIA NOS
3811 AC SEROUS OTITIS MEDIA
3814 CHR SEROUS OTITIS MEDIA
3816 CHRONIC OTITIS MEDIA NOS
3813 AC PURULENT OTITIS MEDIA
3890 CONDUCTIVE DEAFNESS
3891 SENSORINEURAL DEAFNESS
3813 CHR PURULENT OTITIS MED

02

OX1

3841 LABYRINTHITIS
3850 MENIERE'S DISEASE
3800 OTITIS EXTERNA
3849 EAR INFLAMMATION NEC/NOS
3879 EAR/MASTOID DISEASE NEC
3843 ACOUSTIC NEURITIS
3830 MASTOIDITIS ACUTE

P1

OPER1

200 MYRINGOTOMY
285 ADENOIDECTOMY
282 TONSILLECT & ADENOIDECT

P2

OPER1

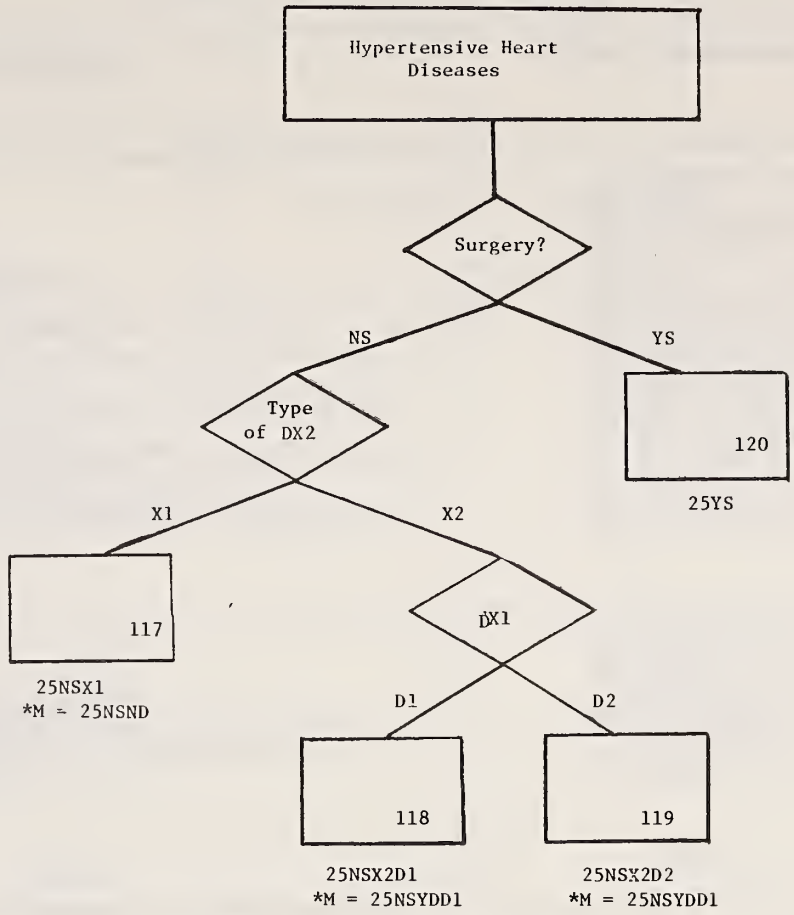
191 STAPEDECTOMY
194 TYPE I TYMPANOPLASTY
195 TYMPANOPLASTY NEC
202 MID EAR DESTRUCTIVE OP
209 MID-INNER EAR OP NEC
196 TYMPANOPLASTY REVISION
291 REMOVAL MYRINGOT DEVICE
193 OSSICULAR CHAIN OP NEC
300 EXCISION LESION LARYNX

P3

OPER1

203 MASTOIDECTOMY
196 RECONSTRU EXT AUDI CANAL
204 MIDDLE EAR EXCISION NEC
181 EXCIS LESION EXT EAR
180 INCISION OF EXTERNAL EAR
207 INNER EAR DESTRUCT OP
187 EXT EAR PLASTIC NEC
924 PROCTOSIGMOIDOSCOPY

Diagnostic Category 25: 1CDA8 400-4040
HICDA 400-4050
HICDA2 400-4050



*M = MADOC Group Code

25 Hypertensive Heart Diseases

ICDA8

X1

Dx2	
	NO CODE
3000	ANXIETY NEUROSIS
2770	OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
3032	ALCOHOLIC ADDICTION
3959	DISEASES OF ACRTIC VALVE-NOT SPECIFIED AS RHEUMATIC
V155	OTHER SURGICAL AFTERCARE
0092	GASTROENTERITIS AND COLITIS
5710	CIRRHOSIS OF LIVER-ALCOHOLIC

X2

Dx2	
2509	DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
4120	CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4270	SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
7830	-EPISTAXIS
4129	CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4279	SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
277	OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
7840	-ELECTROLYTE DISORDERS
2500	DIABETES MELLITUS-WITH MENTION OF ACIDOSIS OR COMA
7837	SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
4110	OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE
7910	HEADACHE
7825	-SYNCOPE OR COLLAPSE
4293	ILL-DEFINED HEART DISEASE-CARDIAC ENLARGEMENT AND HYPERT
7865	-VERTIGO
5513	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
4409	ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
2740	GOUT
5932	-OTHER RENAL DISEASE
7131	SPONDYLITIS OSTEOARTHRITICA
2859	ANEMIA, UNSPECIFIED
7920	UREMIA

D1

Dx1	
4010	ESSENTIAL BENIGN HYPERTENSION
401	ESSENTIAL BENIGN HYPERTENSION

D2

Dx1	
4020	HYPERTENSIVE HEART DISEASE
4030	HYPERTENSIVE RENAL DISEASE
4040	HYPERTENSIVE HEART AND RENAL DISEASE
4000	MALIGNANT HYPERTENSION-WITHOUT MENTION OF ORGAN DAMAGE
4003	MALIGNANT HYPERTENSION-WITH RENAL INVOLVEMENT
402	HYPERTENSIVE HEART DISEASE
403	HYPERTENSIVE RENAL DISEASE
4001	MALIGNANT HYPERTENSION-WITH HEART INVOLVEMENT

HICDA

X1

Dx2	
	NO CODE
3100	ANXIETY NEUROSIS
7830	EPISTAXIS
7825	SYNCOPE OR COLLAPSE
7337	PAIN IN CHEST
5999	URIN TRACT DIS OTH / UN
5749	CHOLELITHIASIS OTH / UN
5350	GASTRITIS AND DUODENITI
2440	MYXEDEMA
5820	CHRONIC NEPHRITIS
0092	GASTROENTERITIS COLITIS
6030	HYPERPLASIA OF PROSTATE
4400	ARTERIOSCLEROSIS AORTA

X2

Dx2	
4129	CHR HT DIS OTHER / UNS
4270	CONGESTIVE HEART FAILUR
2500	DIABETES MELLITUS UNCOM
2770	OBESITY NON-ENDOCRINE
7140	OSTEOARTHRITIS
4439	APTSC GENERAL AND UNSPE
4370	GEN ISCHEMIC CBV DISEAS
4920	PULMONARY EMPHYSEMA
4130	ANGINA PECTORIS
4360	ACUTE CBV DIS WO PARAL
4030	RENAL DIS SEC TO HYTEN
4122	CHR HT DIS CORON ARTSC
7150	ARTHRITIS UNSPECIFIED
4020	HYPERTENSIVE HEART DIS
5513	DIAPHRAGM HERNIA WO OBS
4274	ATRIAL FIBRILLATION
7887	ALKALES / OTH ELECTR DI
5621	DIVERTICULOSIS COLON
4120	CHR HT DIS HEAL MYOC IN
7920	UREMIA
2740	GOUT
4279	HEART RHYTHM DIS OTH/UN
4350	TRANS CEPE ISCH WO PARA
4383	HYPERTENSIVE ENCEPHALO
5932	RENAL DISEASE OTHER
7805	VERTIGO
7910	HEADACHE
7131	HYPERTROPHIC SPONDYLITI

D1

Dx1	
4010	HYPERTENSION ESSENT BEN

D2

Dx1	
4020	HYPERTENSIVE HEART DIS
4030	RENAL DIS SEC TO HYTEN
4000	HYPERTENSION MALIGNANT
4031	HYTEN SEC TO RENAL DIS

HICDA2

X1

Dx2	
	NO CODE
3100	ANXIETY NEUROSIS
7761	EPISTAXIS
7903	ELECTROLYTE DISORDER NEC
7755	SYNCOPE & COLLAPSE
5995	URIN TRACT INFECTION NOS
5623	DIVERTICULITIS COLON
7740	CHEST PAIN
5350	GASTRITIS/DUODENITIS NOS
3841	LABYRINTHITIS

X2

Dx2	
4129	CHR ISCHEMIC HRT DIS NEC
2500	DIAB MEL ADULT ONSET NOS
4279	CONGESTIVE HEART FAILURE
4409	ARTERIOSCLEROSIS NOS
4130	ANGINA PECTORIS
2770	OBESITY NON-ENDOCRINE
4020	HYPERTENSIVE HEART DIS
4110	AC ISCHEMIC HT DIS NEC
4370	CEREBRAL ISCHEMIA NOS
4290	CARDIAC ENLARGEMENT
4350	TRANSIENT ISCHEM ATTACK
4149	ATRIAL FIBRILLATION
5859	RENAL FAILURE NOS
4271	LEFT HEART FAILURE
7130	OSTEOARTHRITIS
2740	GOUT
4360	CVA WITHOUT PARALYSIS
4383	HYPERTENS ENCEPHALOPATHY
4129	HEALED MYOCARD INFARCT

D1

Dx1	
4010	BENIGN HYPERTENSION

D2

Dx1	
4020	HYPERTENSIVE HEART DIS
4000	MALIGNANT HYPERTENSION
4030	HYPERTENSIVE RENAL DIS
4039	RENAL HYPERTENSION NOS
4031	RENOVASC HYPERTENSION

Diagnostic Category 26:

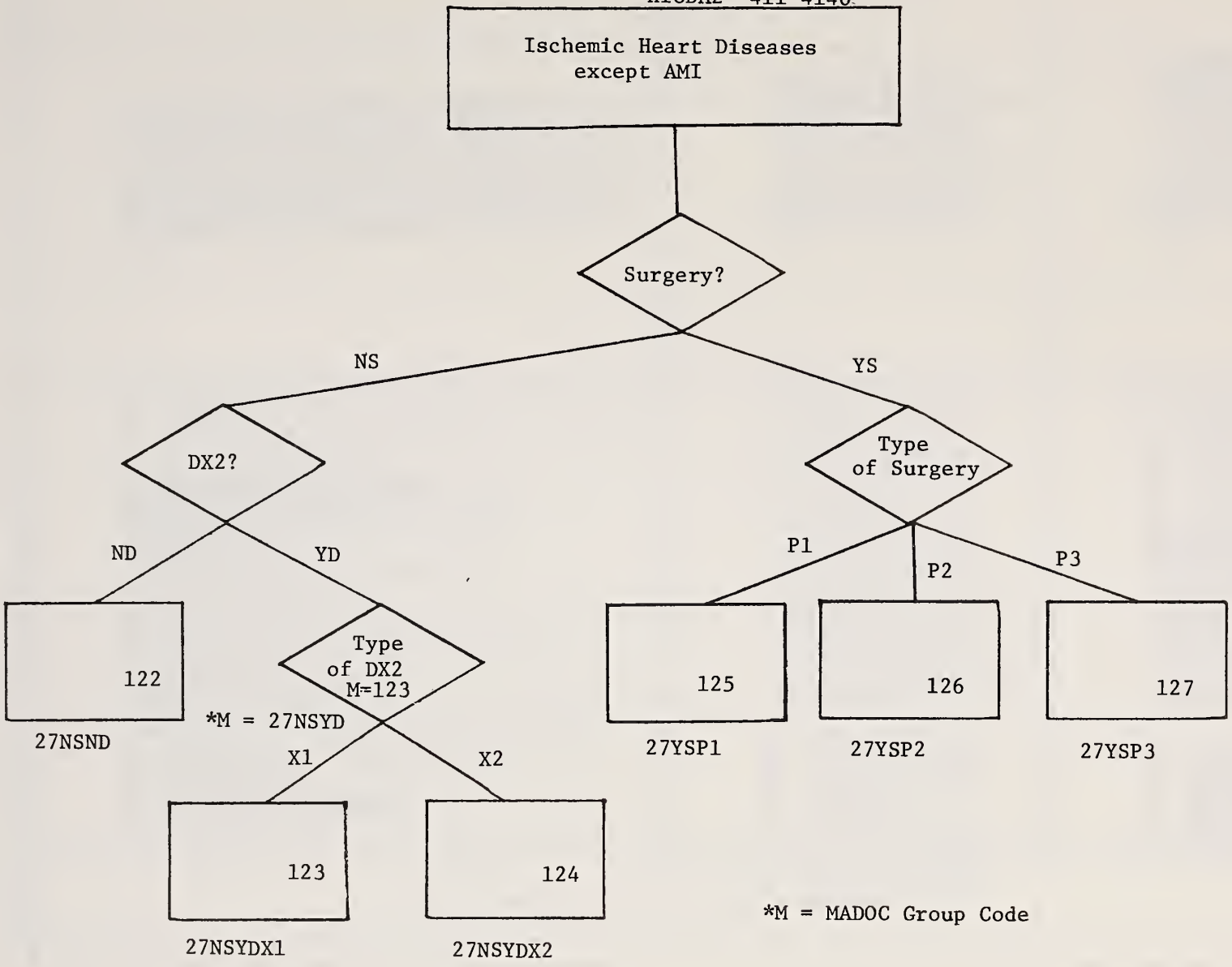
ICDA8	410-4109
HICDA	4100-4109
HICDA2	410-4109

Acute Myocardial Infarction

121

26

Diagnostic Category 27: ICDA8 411-4149
HICDA 411-4140
HICDA2 411-4140



*M = MADOC Group Code

27 Ischemic Heart Diseases Except AMI

ICDA8

X1

DX2

2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
5191 -ACUTE EDEMA OF LUNG
4010 ESSENTIAL BENIGN HYPERTENSION
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
3000 ANXIETY NEUROSIS
401 ESSENTIAL BENIGN HYPERTENSION
3959 DISEASES OF AORTIC VALVE-NOT SPECIFIED AS RHEUMATIC
2770 OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
4020 HYPERTENSIVE HEART DISEASE
7130 OSTEOARTHRITIS
7837 SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
5192 -OTHER DISEASES OF LUNG
7131 SPONDYLITIS OSTEOARTHRITICA
5749 CHOLELITHIASIS-OTHER AND UNSPECIFIED
2720 -XANTHOMATOSIS
7825 -SYNCOPE OR COLLAPSE
4920 EMPHYSEMA
2740 GOUT
Y105 OTHER SURGICAL AFTERCARE
2440 MYXEDEMA
2790 OTHER AND UNSPECIFIED METABOLIC DISEASES
5621 DIVERTICULA OF INTESTINE-COLON
5350 GASTRITIS AND DUODENITIS

X2

DX2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
4109 ACUTE MYOCARDIAL INFARCTION-WITHOUT MENTION OF HYPERTENS
4139 ANGINA PECTORIS-WITHOUT MENTION OF HYPERTENSIVE DISEASE
4119 OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4274 SYMPTOMATIC HEART DISEASE-ATRIAL FIBRILLATION OR FLUTTER
4279 SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
4273 SYMPTOMATIC HEART DISEASE-OTHER HEART BLOCK
4290 ILL-DEFINED HEART DISEASE-CARDIAC ENLARGEMENT AND HYPERT
4130 ANGINA PECTORIS-WITH HYPERTENSIVE DISEASE
4110 OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE
4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITHOUT MEN
4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED

HICDA

X1

DX2

4010 HYPERTENSION ESSENT BEN
7150 OSTEOARTHRITIS
5513 DIAPHRAGM HERNIA WO OBS
4020 HYPERTENSIVE HEART DIS
7837 PAIN IN CHEST
3100 ANXIETY NEUROSIS
7825 SYNCOPE OR COLLAPSE
5350 GASTRITIS AND DUODENITI
7150 ARTHRITIS UNSPECIFIED
2740 GOUT
7131 HYPERTROPHIC SPONDYLITI
5559 URIN TRACT DIS OTH / UN
7230 OSTEOPOROSIS
2770 OBESITY NEN-ENDOCRINE
5932 RENAL DISEASE OTHER
3105 DEPRESSIVE NEUROSIS
4890 ACUTE BRONCHITIS

X2

CA2

4270 CONGESTIVE HEART FAILUR
4139 ANGINA PECTORIS
4129 CHR HT DIS OTHER / UNS
4110 AC ISCHEMIC HT DIS OTH
4274 ATRIAL FIBRILLATION
4120 CHR HT DIS HEAL MYOC IN
4279 HEART RHYTHM DIS OTH/UN
2500 DIABETES MELLITUS UNCOM
4109 AC MYO INFARCT NOS
4920 PULMONARY EMPHYSEMA
4122 CHR HT DIS CORON ARTSC
4273 HEART BLOCK OTHER
4409 ARTSC GENERAL AND UNSPE
4370 GEN ISCHEMIC CBV DISEAS
4290 CARDIAC ENLARGEMENT

HICDA2

X1

DX2

4010 BENIGN HYPERTENSION
4020 HYPERTENSIVE HEART DIS
5515 HIATAL HERNIA
4920 PULMONARY EMPHYSEMA
4960 CHR OBSTRUCTIVE LUNG DIS
3100 ANXIETY NEUROSIS
7740 CHEST PAIN
7130 OSTEOARTHRITIS
7131 HYPERTROPHIC SPONDYLITIS
2770 OBESITY NON-ENDOCRINE
5350 GASTRITIS/DUODENITIS NOS
4890 ACUTE BRONCHITIS
5749 GALLBLADDER CALCULUS
5995 URIN TRACT INFECTION NOS
7150 ARTHRITIS NOS
V500 CARDIAC PACEMAKER STATUS
3105 DEPRESSIVE NEUROSIS

X2

DX2

4279 CONGESTIVE HEART FAILURE
4129 CHR ISCHEMIC HRT DIS NEC
4130 ANGINA PECTORIS
4110 AC ISCHEMIC HT DIS NEC
4120 HEALED MYOCARD INFARCT
4163 ATRIAL FIBRILLATION
2500 DIAB MEL ADULT ONSET NOS
4109 MYOCARD INFARCTION NOS
4409 ARTERIOSCLEROSIS NOS
4169 HRT RHYTHM DISORDER NEC
4102 INFERIOR WALL MI
4100 ANTERIOR WALL MI
4271 LEFT HEART FAILURE
4166 ECTOPIC BEATS
4104 SUBENDOCARDIAL MI
4290 CARDIAC ENLARGEMENT
4370 CEREBRAL ISCHEMIA NOS

27 Ischemic Heart Diseases Except AMI

Cont'd

ICDA8

P1

oper1

302 CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART

P2

OPER1

304 INSERTION OF ELECTRONIC DEVICE, HEART
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
305 REPLACEMENT OF ELECTRONIC HEART DEVICE
308 ELECTRIC DEFIBRILLATION AND COUNTERSHOCK
A27 BIOPSY OF BONE
A44 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
994 SURGICAL REMOVAL OF TOOTH
240 INCISION OF PERIPHERAL VESSELS
92J INCISION OF SKIN AND SUBCUTANEOUS TISSUE
703 DILATION AND CURETTAGE OF UTERUS
293 OPERATIONS ON VALVES OF HEART WITH TISSUE OR GRAFT
993 EXTRACTION OF TOOTH, FORCEPS EXTRACTION
319 BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
382 REPAIR OF INGUINAL HERNIA EXCEPT RECURRENT
575 DILATION OF URETHRA
261 ENCARTERECTOMY HEAD AND NECK, BASE OF BRAIN

P3

OPER1

285 RECONSTRUCTION OF INTRATHORACIC ARTERY BY BLOOD VESSEL
298 CARDIAC REVASCULARIZATION
275 RECONSTRUCTION OF INTRA-ABDOMINAL ARTERIES BY BLOOD VES
247 RECONSTRUCTION OF PERIPHERAL ARTERY BY BLOOD VESSEL GRA
282 REPAIR OF ANEURYSM, INTRATHORACIC VESSELS
321 THORACENTESIS
435 CHOLECYSTECTOMY
582 PROSTATECTOMY, TRANSURETHRAL
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
295 OPERATIONS ON ATRIUM, SEPTUM, AND VENTRICLE WITHOUT PRO
309 OTHER HEART PROCEDURES

HICDA

P1

OPER1

320 CATHETERIZATION HEART

P2

OPER1

324 INSERTION OF PACEMAKER
325 REPLACEMENT OF PACEMAKE
952 ANGIOCARDIOGRAPHY
916 NONSURG CYSTOSCOPY URET
360 BONE MARROW ASPIRATION
915 NONSURG ENDOSCOPY
528 ELECTRIC DEFIBRILLATION
971 PHYSICAL THERAPY
946 RADIOISOTOPE SCAN EXAMI
360 INCIS PERIPHERAL VESSEL
950 ARTERIOGRAPHY HEAD NECK
914 NONSURG ESOPHAGOSCOPY
951 AORTOGRAPHY
953 ARTERIOGRAPHY LOW EXTRE
647 DILATATION OF URETHRA

P3

OPER1

305 CARDIAC REVASCULAR DIR
291 THORACENTESIS
652 PROSTATECTOMY TRANSURET
335 RECONST INTRATHOR GRAFT
355 GRAFT INTRA-ABD ARTERY
304 CARDIAC REVASCULAR INDI
691 LOC EXC SKIN SUBCUT LES
535 CHOLECYSTECTOMY
341 ENCARTERECTOMY HEAD NEC
367 GRAFT RECONST PERIPH OR
391 EXPLORATORY LAPAROTOMY
313 HRT VALV OPER INERT MAT
345 GRAFT RECONSTION ART HD
623 OP REDUCT SKE W INT FIX
290 THORACOTOMY NEC
051 SYMPATHECTOMY GANGECTOM
301 ENCARTERECTOMY PERIPH
125 EXTRACT LENS INTRACAPSU

HICDA2

R1

OPER1

933 CARDIAC CATHETERIZATION

P2

OPER1

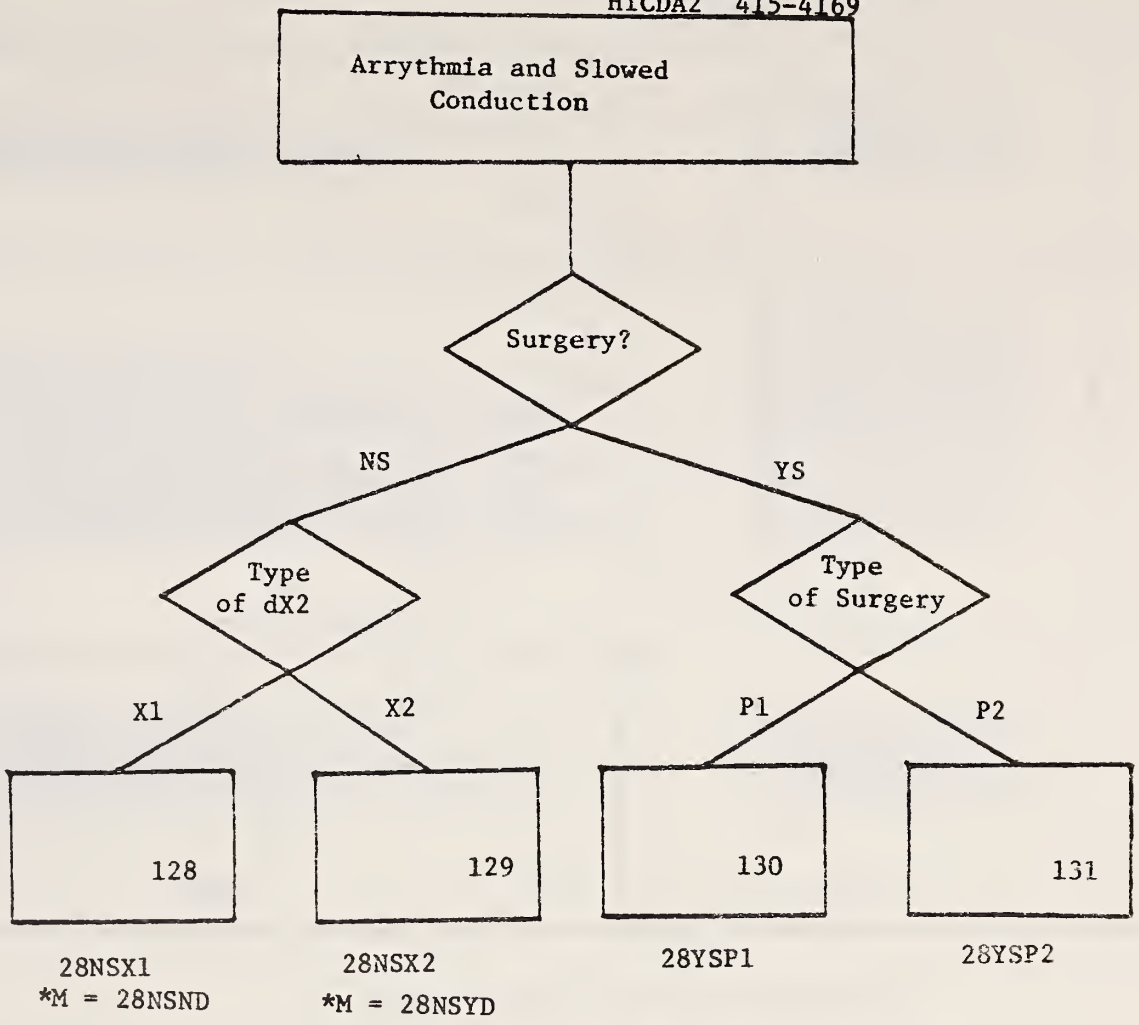
577 PACEMAKER IMPLANTATION
924 PROCTOSIGMOIDOSCOPY
925 CYSTOURETHROSCOPY
923 ESOPHAGOGASTROSCOPY
378 REMOVAL OF PACEMAKER
885 EXCISION SKIN LESION
380 ANGIOTOMY
934 INSERT TRANSVEN PACEMAK
585 URETHRAL DILATION
690 D&C
500 PERCUTANEOUS LIVER ASPIR
231 SURGICAL REMOVAL TOOTH
530 UNILAT ING HERNIORRHAPHY
922 BRONCHOSCOPY
540 ABDOMINAL PARACENTESIS
213 EXCISION OF LESION NOSE
86J EXCISION BREAST LESION
930 REPLACE PACEMAK BATTERY

P3

OPER1

361 DIRECT HRT REVASCULARIZ
340 THORACENTESIS
392 SHUNT & GRAFT BYPASS NEC
602 TRANSURETH PROSTATECTOMY
511 CHOLECYSTECTOMY
452 EXCISION LG BOWEL LESION
381 ENCARTERECTOMY NEC
360 CORONARY ENDARTERECTOMY
373 EXCISION OF HEART LESION
396 CARDIOPULMONARY BYPASS
311 TEMPORARY TRACHEOSTOMY
886 RADICAL EXCIS SKIN LES
493 HEMORRHOIDECTOMY

Diagnostic Category 28: ICDA8 3581, 4272-4279
HICDA 3581, 4272-4279
HICDA2 415-4169



*M = MADOC Group Code

28 Arrythmia and Slowed Conduction

ICDA8

X1

OX2

NO CODE
4010 ESSENTIAL BENIGN HYPERTENSION
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
7825 -SYNCOPE OR COLLAPSE
7837 SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
7880 -ELECTROLYTE DISORDERS
401 -ESSENTIAL BENIGN HYPERTENSION
2422 THYROTOXICOSIS WITHOUT MENTION OF GOITER
4920 EMPHYSEMA
4700 INFLUENZA, UNQUALIFIED

X2

OX2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
4279 SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
4119 OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE
4273 SYMPTOMATIC HEART DISEASE-OTHER HEART BLOCK
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
3000 ANXIETY NEUROSIS
4290 ILL-DEFINED HEART DISEASE-CARDIAC ENLARGEMENT AND HYPERT
4274 SYMPTOMATIC HEART DISEASE-ATRIAL FIBRILLATION OR FLUTTER
4109 ACUTE MYOCARDIAL INFARCTION-WITHOUT MENTION OF HYPERTENS
3900 OTHER HEART DISEASE, SPECIFIED AS RHEUMATIC
5192 -OTHER DISEASES OF LUNG
5990 URINARY TRACT INFECTION NEC
4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITHOUT MEN

P1

OPER1

305 REPLACEMENT OF ELECTRONIC HEART DEVICE
302 CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
308 ELECTRIC DEFIBRILLATION AND COUNTERSHOCK
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
582 PROSTATECTOMY, TRANSURETHRAL

P2

OPER1

304 INSERTION OF ELECTRONIC DEVICE, HEART
A43 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A27 BIOPSY OF SKIN
435 CHOLECYSTECTOMY
575 DILATION OF URETHRA
A44 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU

HICDA

X1

OX2

NO CODE
4129 CHR HT DIS OTHER / UNS
4010 HYPERTENSION ESSENT BEN
4120 CHR HT DIS HEAL MYOC IN
4130 ANGINA PECTORIS
7825 SYNCOPE OR COLLAPSE
4110 AC ISCHEMIC HT DIS OTH
9731 ADV EFF CARDIAC TONICS
4020 HYPERTENSIVE HEART DIS

X2

OX2

4270 CONGESTIVE HEART FAILUR
4920 PULMONARY EMPHYSEMA
4273 HEART BLOCK OTHER
2500 DIABETES MELLITUS UNCON
4279 HEART RHYTHM DIS OTH/UN
4122 CHR HT DIS CORON ARTSC
4409 ARTSC GENERAL AND UNSPE
4274 ATRIAL FIBRILLATION
4109 AC MYC INFARCT NOS
4500 PULM EMBOLISM AND INFAR
3980 HEART DIS RHEUMATIC OTH
4860 PNEUMONIA ORG / TYPE NO
5513 DIAPHRAGM HERNIA W/O OBS
4275 PAROXYSMAL TACHYCARDIA
4290 CARDIAC ENLARGEMENT
4100 AC MYC INFARCT ANT WALL
4271 LEFT VENTRICULAR FAILUR
7960 ILL-DEF COND MORBID OTH
4700 INFLUENZA
5621 DIVERTICULOSIS COLON

P1

OPER1

325 REPLACEMENT OF PACEMAKE
323 ELECTRIC DEFIBRILLATION
320 CATHETERIZATION HEART
261 THORACENTESIS
327 CHEST CARDIC MASSAGE CL
260 THORACOTOMY / PLEUPOTOM
832 APTHRACCENTESIS
329 HEART PROCEDURES OTHER

P2

OPER1

324 INSERTION OF PACEMAKER
915 NONSURG ENDOSCOPY
997 SPINAL PUNCTURE
360 INCIS PERIPHERAL VESSEL
916 NONSURG CYSTOSCOPY URET
220 LARYNGOTOMY TRACHEOTOMY

HICDA2

X1

OX2

NO CODE
4010 BENIGN HYPERTENSION
4020 HYPERTENSIVE HEART DIS
4130 ANGINA PECTORIS
7755 SYNCOPE & COLLAPSE
3100 ANXIETY NEUROSIS
7740 CHEST PAIN
3949 NONRHEUM MITRAL DISEASE
2429 HYPERTHYROIDISM NOS

X2

OX2

4129 CHR ISCHEMIC HRT DIS NEC
4279 CONGESTIVE HEART FAILURE
4409 ARTERIOSCLEROSIS NOS
2500 DIAB MEL ADULT ONSET NOS
4123 HEALED MYOCARD INFARCT
4166 ECTOPIC BEATS
4110 AC ISCHEMIC HT DIS NEC
4163 ATRIAL FIBRILLATION
4159 CONDUCTION IMPAIR NEC
4960 CHR OBSTRUCTIVE LUNG DIS
4290 CARDIAC ENLARGEMENT
4169 HRT RHYTHM DISORDER NEC
4161 SUPRAVENTRIC TACHYCARDIA
3900 RHEUMATIC HEART DIS NEC
5515 HIATAL HERNIA
4353 TRANSIENT ISCHEM ATTACK
4156 BUNDLE BRANCH BLOCK
4109 MYOCARD INFARCTION NOS
4250 PRIMARY CARDIOMYOPATHY
4167 ANOM ATRIOVENT EXCITAT
4153 CHR SINUS BRADYCARDIA
4165 VENTRICULAR TACHYCARDIA

P1

OPER1

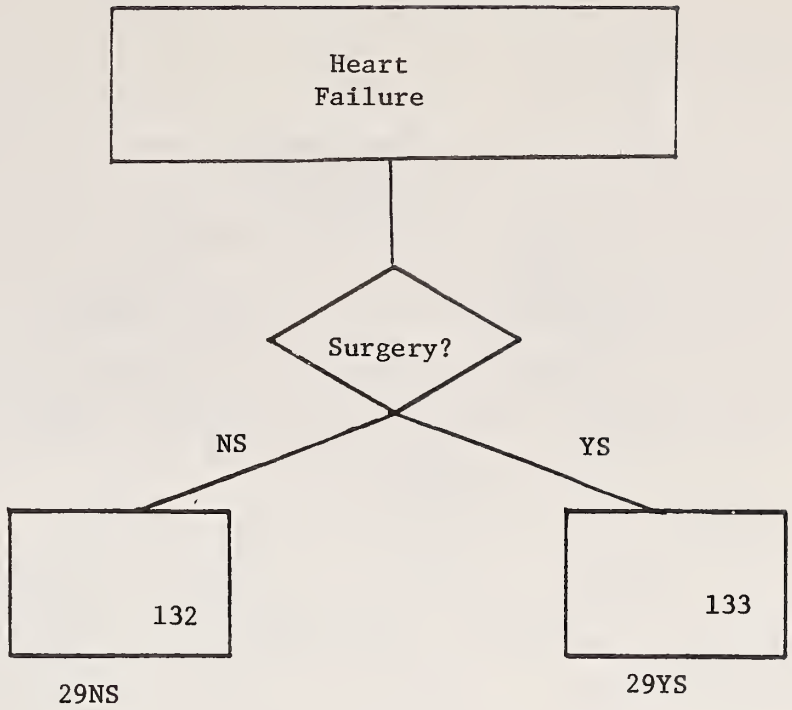
378 REMOVAL OF PACEMAKER
934 INSERT TRANSVEN PACEMAK
933 CARDIAC CATHETERIZATION
936 REPLACE PACEMAK BATTERY
884 WOUND DEBRIDEMENT
885 EXCISION SKIN LESION
340 THORACENTESIS

P2

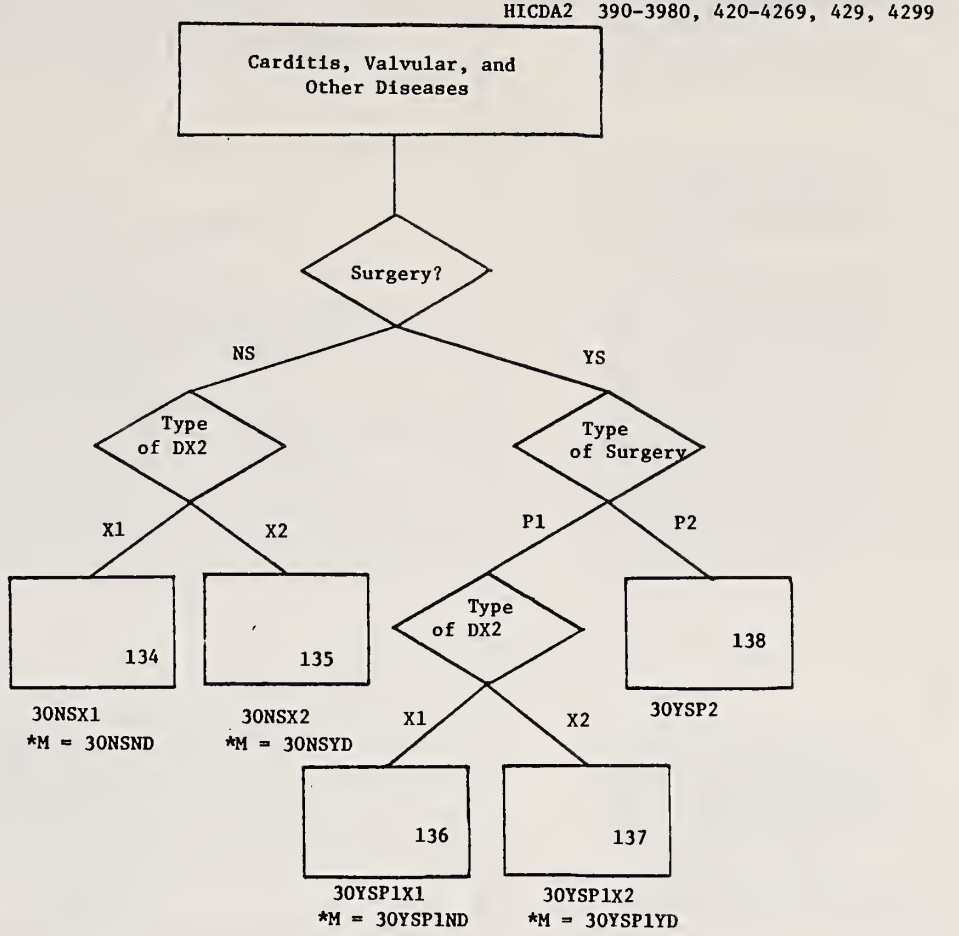
OPER1

377 PACEMAKER IMPLANTATION
924 PROCTOSIGMOIDOSCOPY
922 BRONCHOSCOPY
925 CYSTOURETHROSCOPY
387 OCCLUSION OF VESSEL NEC
434 EXCISION STOMACH LESION

Diagnostic Category 29: ICDA8 4270-4271, 7824
HICDA 4270-4271
HICDA2 427-4279



Diagnostic Category 30: ICDA8 390-3980, 420-4260, 428-4299
HICDA 390-3980, 420-4260, 428-4299
HICDA2 390-3980, 420-4269, 429, 4299



*M = MADOC Group Code

30 Carditis, Valvular, and Other Diseases

ICDA8

X1

DX2

	NO CODE
5513	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
7131	SPONDYLITIS OSTEOARTHRITICA
4409	ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
7837	SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
3000	ANXIETY NEUROSIS
715	ARTHRITIS, UNSPECIFIED
2770	OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
V061	PREGNANCY ASSOCIATED WITH NONOBSTETRICAL CONDITION

X2

DX2

4270	SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
4129	CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
3949	DISEASES OF MITRAL VALVE-NOT SPECIFIED AS RHEUMATIC
4274	SYMPTOMATIC HEART DISEASE-ATRIAL FIBRILLATION OR FLUTTER
3960	DISEASES OF MITRAL AND AORTIC VALVES-SPECIFIED AS RHEUMA
4279	SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
2509	DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
3959	DISEASES OF AORTIC VALVE-NOT SPECIFIED AS RHEUMATIC
V105	OTHER SURGICAL AFTERCARE
3940	DISEASES OF MITRAL VALVE-SPECIFIED AS RHEUMATIC
3950	DISEASES OF AORTIC VALVE-SPECIFIED AS RHEUMATIC
4120	CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4290	ILL-DEFINED HEART DISEASE-CARDIAC ENLARGEMENT AND HYPERT
4273	SYMPTOMATIC HEART DISEASE-OTHER HEART BLOCK
398	OTHER HEART DISEASE, SPECIFIED AS RHEUMATIC
401	ESSENTIAL BENIGN HYPERTENSION
4010	ESSENTIAL BENIGN HYPERTENSION
4139	ANGINA PECTORIS-WITHOUT MENTION OF HYPERTENSIVE DISEASE

P1

OPER1

302	CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
308	ELECTRIC DEFIBRILLATION AND COUNTERSHOCK

P2

OPER1

294	OPERATIONS ON VALVES OF HEART WITH INERT MATERIAL
293	OPERATIONS ON VALVES OF HEART WITH TISSUE OR GRAFT
292	OPERATIONS ON VALVES OF HEART WITHOUT TISSUE OR INERT S
334	INSERTION OF ELECTRONIC DEVICE, HEART
321	THORACENTESIS
291	PERICARDIECTOMY AND EXCISION OF NEOPLASMS OF HEART
290	CARDIOTOMY AND PERICARDIOTOMY
A27	BIOPSY OF BONE
320	THORACOTOMY AND PLEURCTOMY
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE

HICDA

X1

DX2

	NO CODE
2500	DIABETES MELLITUS UNCOM
4010	HYPERTENSION ESSENT BEN
4409	ARTSC GENERAL AND UNSPE
4020	HYPERTENSIVE HEART DIS
5112	PLEURAL EFFUSION OTHER
2060	POLYCYTHEMIA VERA
7130	OSTEOARTHRITIS

X2

DX2

4270	CONGESTIVE HEART FAILUR
4129	CHR HT DIS OTHER / UNS
4420	PULMONARY EMPHYSEMA
4274	ATRIAL FIBRILLATION
3949	MITRAL VALV DIS NOT RHE
4279	HEART RHYTHM DIS UNSPEC
3940	MITRAL VALV DIS RHEUM
3959	AORTIC VALV DIS NOT RHE
4130	ANGINA PECTORIS
4120	CHR HT DIS HEAL MYOC IN
4122	CHR HT DIS CORON ARTSC
4500	PULM EMBOLISM AND INFAR
4273	HEART BLOCK OTHER
3950	AORTIC VALVE DIS RHEUM
4860	PNEUMONIA ORG / TYPE NO
4260	PULMONARY HEART DISEASE
7960	ILL-DEF COND MORBID OTH
4275	PAROXYSMAL TACHYCARDIA

P1

OPER1

320	CATHETERIZATION HEART
328	ELECTRIC DEFIBRILLATION
325	REPLACEMENT OF PACEMAKE
554	ABDOMINAL PARACENTESIS
915	NONSURG ENDOSCOPY
380	BONE MARROW ASPIRATION

P2

OPER1

313	HRT VALV OPER INERT MAT
324	INSERTION OF PACEMAKER
311	HRT VALV OPER OP WD TIS
261	THORACENTESIS
305	CARDIAC REVASCULAR DIR
946	RADIOISOTOPE SCAN EXAMI
360	INCIS PERIPHERAL VESSEL
916	NONSURG CYSTOSCOPY URET
300	CARDIOTOMY PERICARDIOTO
952	ANGIOCARDIOGRAPHY
914	NONSURG ESOPHAGOSCOPY
310	HEART VALVE OPER CLOSED
125	EXTRACT LENS INTRACAPSU
269	THORACOTOMY / PLEURCTOM
652	PROSTATECTOMY TRANSURET
997	SPINAL PUNCTURE
823	OP REDUCT BONE W INT FIX

HICDA2

X1

DX2

	NO CODE
4010	BENIGN HYPERTENSION
2500	DIAB MEL ADULT ONSET NOS
V501	VALVE PROSTHESIS STATUS
4020	HYPERTENSIVE HEART DIS
7740	CHEST PAIN
4409	ARTERIOSCLEROSIS NOS
7129	RHEUMATOID ARTHRITIS NEC
7130	OSTEOARTHRITIS
5995	URIN TRACT INFECTION NOS
3911	ACT RHEUMATIC ENDOCARD
0799	VIRAL INFECTION NOS

X2

DX2

4279	CONGESTIVE HEART FAILURE
3949	NONRHEUM MITRAL DISEASE
4163	ATRIAL FIBRILLATION
4129	CHR ISCHEMIC HRT DIS NEC
3940	RHEUMATIC MITRAL DISEASE
3959	NONRHEUM AORTIC VAL DIS
4290	CARDIAC ENLARGEMENT
3950	RHEUM AORTIC VAL DISEASE
4960	CHR OBSTRUCTIVE LUNG DIS
4161	SUPRAVENTRIC TACHYCARDIA
4920	PULMONARY EMPHYSEMA
4271	LEFT HEART FAILURE
3980	RHEUMATIC HEART DIS NEC
4160	ECTOPIC BEATS
4130	ANGINA PECTORIS
4120	HEALED MYOCARD INFARCT
4169	HRT RHYTHM DISORDER NEC
3970	TRICUSPID VALVE DISEASE
4164	ATRIAL FLUTTER

P1

OPER1

933	CARDIAC CATHETERIZATION
924	PROCTOSIGMOIDOSCOPY

P2

OPER1

352	HEART VALVE REPLACEMENT
350	CLOSED HEART VALVULOTOMY
377	PACEMAKER IMPLANTATION
340	THORACENTESIS
372	PERICARDIECTOMY
373	PERICARDIOCENTESIS
392	SHUNT & GRAFT BYPASS NEC
371	CARDIOTOMY & PERICARDIOT
380	ANGIOTOMY
925	CYSTOURETHROSCOPY
378	REMOVAL OF PACEMAKER
351	OPEN HEART VALVULOTOMY
341	THORACOTOMY
683	TOTAL ABD HYSTERECTOMY
361	DIRECT HRT REVASCULARIZ
381	ENDARTERECTOMY NEC

30 Carditis, Valvular, and Other Diseases

(Cont'd)

ICDA8

P1X1

0X2

NC CODE
7466 CONG ANOM-ANOMALIES OF HEART VALVE
9981 SURGICAL COMPL-POSTOPERATIVE HEMORRHAGE OR HEMATOMA
7471 CONG ANOM-COARCTATION OF AORTA
9989 OTHER COMPLICATIONS OF SURGICAL PROCEDURES-OTHER
7340 DIFFUSE DISEASES OF CONNECTIVE TISSUE-PROGRESSIVE SYSTEM
7472 CONG ANOM-OTHER ANOMALIES OF AORTA
4444 ARTERIAL EMBOLISM AND THROMBOSIS-OF ARTERIES OF THE EXTR

P1X2

0X2

4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
3949 DISEASES OF MITRAL VALVE-NOT SPECIFIED AS RHEUMATIC
3960 DISEASES OF MITRAL AND AORTIC VALVES-SPECIFIED AS RHEUMA
4274 SYMPTOMATIC HEART DISEASE-ATRIAL FIBRILLATION OR FLUTTER
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
3959 DISEASES OF AORTIC VALVE-NOT SPECIFIED AS RHEUMATIC
4279 SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
Y105 OTHER SURGICAL AFTERCARE
3950 DISEASES OF AORTIC VALVE-SPECIFIED AS RHEUMATIC
3940 DISEASES OF MITRAL VALVE-SPECIFIED AS RHEUMATIC
398 OTHER HEART DISEASE, SPECIFIED AS RHEUMATIC
4010 ESSENTIAL BENIGN HYPERTENSION
4290 ILL-DEFINED HEART DISEASE-CARDIAC ENLARGEMENT AND HYPERT
3980 OTHER HEART DISEASE, SPECIFIED AS RHEUMATIC
4139 ANGINA PECTORIS-WITHOUT MENTION OF HYPERTENSIVE DISEASE
3032 ALCOHOLIC ADDICTION
4260 PULMONARY HEART DISEASE
7825 -SYNCOPE OR COLLAPSE
401 ESSENTIAL BENIGN HYPERTENSION
3970 DISEASES OF OTHER ENDOCARDIAL STRUCTURES-OF TRICUSPID V

HICDA

P1X1

0X2

NO CODE
2500 DIABETES MELLITUS UNCOM
4409 ARTSC GENERAL AND UNSPE
Y161 HRT VALVE PROST NO COMP
7123 RHEUMATOID ARTHRITIS OT
4900 BRONCHITIS UNQUALIFIED
5999 URIN TRACT DIS OTH / UN

P1X2

0X2

3949 MITRAL VALV DIS NOT RHE
4270 CONGESTIVE HEART FAILUR
3940 MITRAL VALV DIS RHEUM
4274 ATRIAL FIBRILLATION
4122 CHR HT DIS CORON ARTSC
4279 HEART RHYTHM DIS OTH/UN
3950 HEART DIS RHEUMATIC OTH
4129 CHR HT DIS OTHER / UNS
4920 PULMONARY EMPHYSEMA
3970 TRICUSPID VALVE DIS
4273 HEART BLOCK OTHER
3959 AORTIC VALV DIS NOT RHE
5112 PLEURAL EFFUSION OTHER
4010 HYPERTENSION ESSENT BEN
4249 CHR ENDOCARD STRUCT OTH

HICDA2

P1X1

0X2

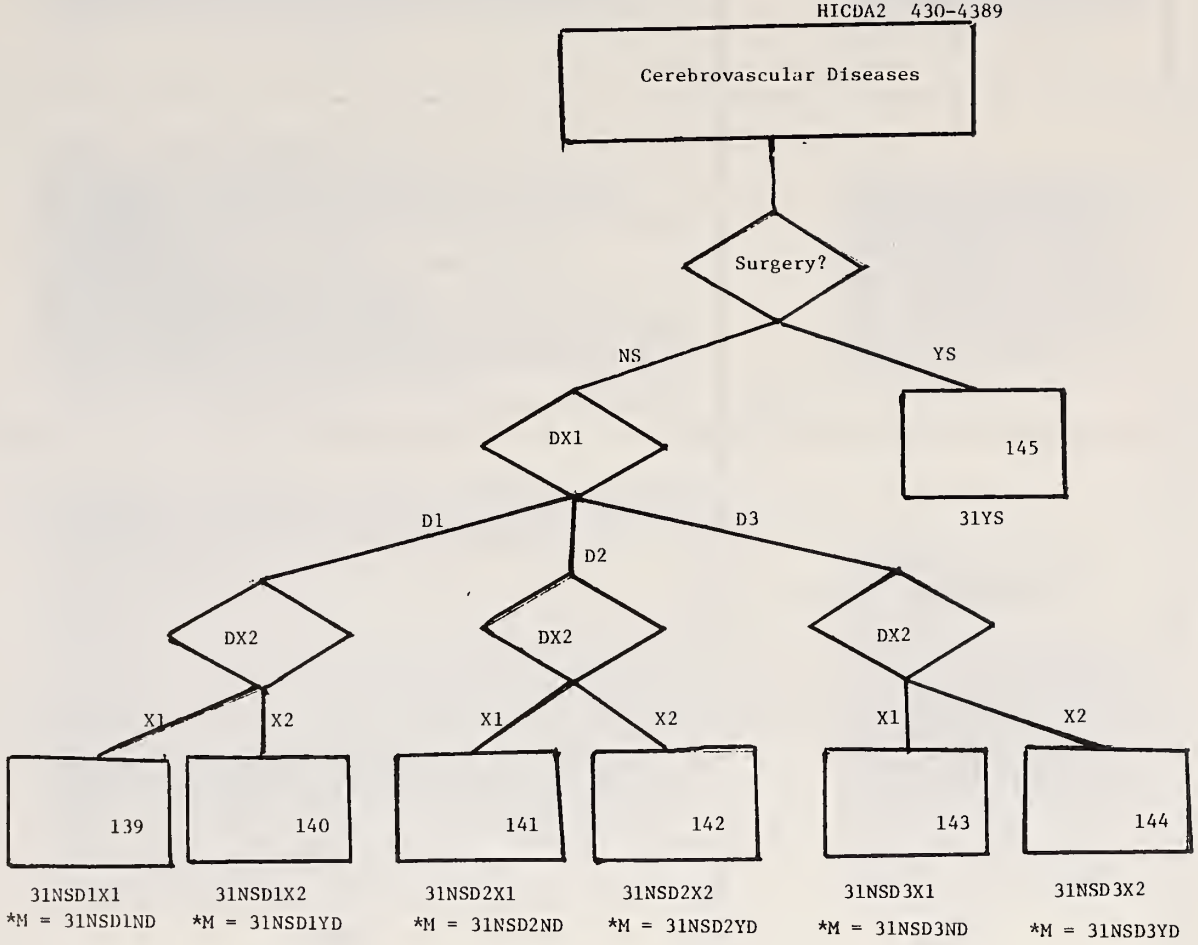
NO CODE
0000 NO CODE
4409 ARTERIOSCLEROSIS NOS
2500 DIAB MEL ADULT ONSET NOS
7472 HEART ANOMALY NEC
7740 CHEST PAIN
4411 THORACIC AORTIC ANEURYSM

P1X2

0X2

3949 NONRHEUM MITRAL DISEASE
4279 CONGESTIVE HEART FAILURE
3940 RHEUMATIC MITRAL DISEASE
4129 CHR ISCHEMIC HRT DIS NEC
3950 RHEUM AORTIC VAL DISEASE
3959 NONRHEUM AORTIC VAL DIS
4130 ANGINA PECTORIS
3980 RHEUMATIC HEART DIS NEC
4163 ATRIAL FIBRILLATION
4290 CARDIAC ENLARGEMENT
4261 PRIM PULM HYPERTENSION
4243 PAPILLARY MUSCLE DYSFUNC
4271 LEFT HEART FAILURE
4240 CHR NONRHEUM MITRAL DIS
4400 AORTIC ARTERIOSCLEROSIS
4166 ECTOPIC BEATS
4107 MI WITH RUPTURE
4370 CEREBRAL ISCHEMIA NOS
4010 BENIGN HYPERTENSION
7755 SYNCOPE & COLLAPSE

Diagnostic Category 31: ICDA8 430-4389
HICDA 4300-4389
HICDA2 430-4389



*M = MADOC Group Code

31 Cerebrovascular Diseases

ICDA8

01

DX1

4359 TRANSIENT CEREBRAL ISCHEMIA-WITHOUT MENTION OF HYPERTENS
4351 TRANSIENT CEREBRAL ISCHEMIA-WITH HYPERTENSION (BE(IGN)
4389 OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE-WITHOUT ME

01X1

DX2

NO CODE
7802 -CONVULSIONS
7825 -SYNCOPE OR COLLAPSE
7910 HEADACHE
7131 SPONDYLITIS CSTEOARTHRITICA
3420 PARALYSIS AGITANS
3460 MIGRAINE
9200 CONTUSION OF FACE, SCALP, AND NECK EXCEPT EYE(S)-COMPLIT
2510 DISORDERS OF PANCREATIC INTERNAL SECRETION OTHER THAN DI
4900 BRONCHITIS, UNQUALIFIED
7816 -OTHER DISTURBANCE OF SENSATION
7920 UREMIA

01X2

DX2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITHOUT MEN
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
4010 ESSENTIAL BENIGN HYPERTENSION
4329 OCCLUSION OF PRECEREBRAL ARTERIES-WITHOUT MENTION OF HYP
3441 -HEMIPLEGIA
4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
401 ESSENTIAL BENIGN HYPERTENSION
4373 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITH HYPERT
4389 OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE-WITHOUT ME
4369 ACUTE BLT ILL-DEFINED CEREBROVASCULAR DISEASE-WITHOUT ME
4339 CEREBRAL THROMBOSIS-WITHOUT MENTION OF HYPERTENSION
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
4279 SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
7815 -DISTURBANCE OF SPEECH
3099 DIS,NOT PSYCHOTIC,PHYS CONDIT-OTHER OR UNSPECIFIED PHYSI

02

DX1

4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITHOUT MEN
4373 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITH HYPERT
4329 OCCLUSION OF PRECEREBRAL ARTERIES-WITHOUT MENTION OF HYP
4349 CEREBRAL EMBOLISM-WITHOUT MENTION OF HYPERTENSION
4389 OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE-WITH HYPER

HICDA

01

DX1

4350 TRANS CERE ISCH WO PARA
4320 OCCL PRECER ART WO PARA
4310 CEREBRAL HEM WO PARAL
4383 HYPERTENSIVE ENCEPHALO
4351 TRANS CEREB ISCH W PARA

01X1

DX2

NO CODE
7130 OSTEOARTHRITIS
4920 PULMONARY EMPHYSEMA
7825 SYNCOPE OR COLLAPSE
7805 VERTIGO
4130 ANGINA PECTORIS

01X2

DX2

4129 CHR HT DIS OTHER / UNS
4370 GEN ISCHEMIC CBV DISEAS
4010 HYPERTENSION ESSENT BEN
4409 ARTSC GENERAL AND UNSPE
2500 DIABETES MELLITUS UNCOM
4020 HYPERTENSIVE HEART DIS
4360 ACUTE CBV DIS WO PARAL
4320 OCCL PRECER ART WO PARA
4274 ATRIAL FIBRILLATION
4270 CONGESTIVE HEART FAILUR
4120 CHR HT DIS HEAL MYOC IN
4380 RESIDUAL CEREBRAL PARAL
3059 CHR NONPSYCHOT SYNO NOS
4389 CBV DISEASE OTHER / UNS
4330 CEREB THRCM WO PARALYSI

02

DX1

4360 ACUTE CBV DIS WO PARAL
4370 GEN ISCHEMIC CBV DISEAS
4330 CEREB THRCM WO PARALYSI
4380 RESIDUAL CEREBRAL PARAL
4340 CEREB EMBOLISM WO PARAL
4389 CBV DISEASE OTHER / UNS

HICDA2

01

DX1

4350 TRANSIENT ISCHEM ATTACK
4383 HYPERTENS ENCEPHALOPATHY
4320 PRECEREBRAL OCCLUSION
4351 TIA & NEUROLOGIC DEFICIT

01X1

DX2

NO CODE
4163 ATRIAL FIBRILLATION
7755 SYNCOPE & COLLAPSE
7703 CONVULSIONS
3420 PARALYSIS AGITANS
4920 PULMONARY EMPHYSEMA
7704 VERTIGO
7131 HYPERTROPHIC SPONDYLITIS
4130 ANGINA RECTORIS

01X2

DX2

4010 BENIGN HYPERTENSION
4373 CEREBRAL ISCHEMIA NOS
4129 CHR ISCHEMIC HRT DIS NEC
4409 ARTERIOSCLEROSIS NOS
2500 DIAB MEL ADULT ONSET NOS
4020 HYPERTENSIVE HEART DIS
4279 CONGESTIVE HEART FAILURE
4120 HEALED MYOCARD INFARCT
4360 CVA WITHOUT PARALYSIS
4380 CV LESION SEQUELA
4320 PRECEREBRAL OCCLUSION
4389 CEREBROVASC DISEASE NEC
3059 CH BRAIN SYN & DIS NEC
3441 CEREBRAL HEMIPLEGIA
4353 TRANSIENT ISCHEM ATTACK
4860 PNEUMONIA NOS

02

DX1

4370 CEREBRAL ISCHEMIA NOS
4360 CVA WITHOUT PARALYSIS
4330 CEREBRAL THRCMBOSIS NOS
4380 CV LESION SEQUELA
4389 CEREBROVASC DISEASE NEC
4340 CEREBRAL EMBOLISM NOS

31 Cerebrovascular Diseases

(Cont'd)

ICDA8

02X1

0X2

NO CODE
7825 -SYNCOPE OR COLLAPSE
7805 -VERTIGO
3000 ANXIETY NEUROSIS
3420 PARALYSIS AGITANS
7802 -CONVULSIONS
3840 OTHER INFLAMMATORY DISEASES OF EAR-LABYRINTHITIS
7131 SPONDYLITIS OSTEOARTHRITICA
V105 OTHER SURGICAL AFTERCARE
3451 EPILEPSY-GENERALIZED CONVULSIVE
3479 OTHER DISEASES OF BRAIN-OTHER AND UNSPECIFIED
4589 -HYPOTENSION
0092 GASTROENTERITIS AND COLITIS
8070 FRACTURE OF RIB(S), STERNUM, AND LARYNX-RIB(S), CLOSED
7239 OTHER DISEASES OF MUSCLE, TENDON, AND FASCIA-OTHER AND U
7940 SENILITY WITHOUT MENTION OF PSYCHOSIS
5192 -OTHER DISEASES OF LUNG
7123 RHEUMATOID ARTHRITIS AND ALLIED CONDITIONS-OTHER RHEUMAT

02X2

0X2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
4359 TRANSIENT CEREBRAL ISCHEMIA-WITHOUT MENTION OF HYPERTENS
4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
3441 -HEMIPLEGIA
4369 ACUTE, BUT ILL-DEFINED CEREBROVASCULAR DISEASE-WITHOUT ME
3099 DIS,NOT PSYCHOTIC,PHYS CONDIT-OTHER OR UNSPECIFIED PHYSI
4339 CEREBRAL THROMBOSIS-WITHOUT MENTION OF HYPERTENSION
3093 DIS,NOT PSYCHOTIC,PHYS CONDIT-CIRCULATORY DISTURBANCE
4389 OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE-WITHOUT ME
4329 OCCLUSION OF PRECEREBRAL ARTERIES-WITHOUT MENTION OF HYP
7890 -ELECTROLYTE DISORDERS
4380 OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE-WITH HYPER
4359 TRANSIENT CEREBRAL ISCHEMIA-WITH HYPERTENSION (BENIGN)
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
7815 -DISTURBANCE OF SPEECH
4279 SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
401 ESSENTIAL BENIGN HYPERTENSION
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE

HICDA

02X1

0X2

NO CODE
4350 TRANS CERE ISCH WO PARA
4920 PULMONARY EMPHYSEMA
7825 SYNCOPE OR COLLAPSE
4380 RESIDUAL CEREBRAL PARAL
7805 VERTIGO
4320 OCCL PRECER ART WO PARA

02X2

0X2

4129 CHR HT DIS OTHER / UNS
2500 DIABETES MELLITUS UNCOM
4409 ARTSC GENERAL AND UNSPE
4010 HYPERTENSION ESSENT BEN
4370 GEN ISCHEMIC CBV DISEAS
4020 HYPERTENSIVE HEART DIS
4270 CONGESTIVE HEART FAILUR
7130 OSTEOARTHRITIS
4300 ACUTE CBV DIS NO PARAL
3059 CHR NONPSYCHOT SYNO NOS
4660 PNEUMONIA ORG / TYPE NO
7815 DISTURBANCE OF SPEECH
4274 ATRIAL FIBRILLATION
5999 URIN TRACT DIS OTH / UN
4120 CHR HT DIS HEAL MYOC IN
4122 CHR HT DIS CORON ARTSC
3441 HEMIPLEGIA PARALYSIS OT
7940 SENILITY
4330 CEREB THROM WC PARALYSI
3053 CHR N-PSYCHC CIRC DIST

HICDA2

02X1

0X2

NO CODE
7703 CONVULSIONS
5995 URIN TRACT INFECTION NOS
7755 SYNCOPE & COLLAPSE
7704 VERTIGO
3420 PARALYSIS AGITANS
3169 SPECIAL SYMPTOM NEC
7131 HYPERTROPHIC SPONDYLITIS
4960 CHR OBSTRUCTIVE LUNG DIS
5859 RENAL FAILURE NOS

02X2

0X2

4129 CHR ISCHEMIC HRT DIS NEC
2500 DIAB MEL ADULT ONSET NOS
4010 BENIGN HYPERTENSION
4409 ARTERIOSCLEROSIS NOS
4350 TRANSIENT ISCHEM ATTACK
402J HYPERTENSIVE HEART DIS
4370 CEREBRAL ISCHEMIA NOS
4279 CONGESTIVE HEART FAILURE
3441 CEREBRAL HEMIPLEGIA
4330 CEREBRAL THROMBOSIS NOS
7902 DEHYDRATION NEC
7736 SPEECH DISTURBANCE
4163 ATRIAL FIBRILLATION
438J CV LESION SEQUELA
4360 CVA WITHOUT PARALYSIS
3059 CH BRAIN SYN & DIS NEC
796J SENILITY
4320 PRECEREBRAL OCCLUSION
3053 CH BRAIN SYN & CIRCU DIS

31 Cerebrovascular Diseases

(Cont'd)

ICDA8

D3

DX1

4369 ACUTE BLT ILL-DEFINED CEREBRCVASCULAR DISEASE-WITHOUT ME
4339 CEREBRAL THROMBOSIS-WITHOUT MENTION OF HYPERTENSION
4360 ACUTE BLT ILL-DEFINED CEREBRCVASCULAR DISEASE-WITH HYPER
4309 SUBARACHNOID HEMORRHAGE-WITHOUT MENTION OF HYPERTENSION
4330 CEREBRAL THROMBOSIS-WITH HYPERTENSION (BENIGN)
4319 CEREBRAL HEMORRHAGE-WITHOUT MENTION OF HYPERTENSION
4310 CEREBRAL HEMORRHAGE-WITH HYPERTENSION (BENIGN)

D3x1

DX2

NO CODE
7802 -CONVULSIONS
3579 OTHER DISEASES OF PERIPHERAL NERVES EXCEPT AUTONOMIC-OTH
3491 EPILEPSY-GENERALIZED CONVULSIVE
7476 CONG ANOM-OTHER ANOMALIES OF PERIPHERAL VASCULAR SYSTEM
3479 OTHER DISEASES OF BRAIN-OTHER AND UNSPECIFIED
5142 -OTHER DISEASES OF LUNG

D3x2

DX2

3441 -HEMIPLEGIA
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
401 ESSENTIAL BENIGN HYPERTENSION
4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITHOUT MEN
7815 -DISTURBANCE OF SPEECH
4010 ESSENTIAL BENIGN HYPERTENSION
4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
4339 CEREBRAL THROMBOSIS-WITHOUT MENTION OF HYPERTENSION
4389 OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE-WITHOUT ME
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
5990 UPINARY TRACT INFECTION NEC
4329 OCCLUSION OF PRECEREBRAL ARTERIES-WITHOUT MENTION OF HYP
4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITH HYPERT
480 PNEUMONIA, UNSPECIFIED

HICDA

D3

DX1

+3o1 ACUTE CBV DIS + PARAL
4331 CEREB THROM + PARALYSIS
+311 CEREBRAL HEM + PARALYSI
4341 CEREB EMBOLISM + PARAL
4321 OCCL PRECEREBRL ART + PARAL
+300 SUBARACH HEM WO PARAL
4369 NO CODE

D3x1

DX2

NO CODE
4920 PULMONARY EMPHYSEMA
6000 HYPERPLASIA OF PROSTATE
4330 RESIDUAL CEREBRAL PARAL

D3x2

DX2

4129 CHR HT DIS OTHER / UNS
4010 HYPERTENSION ESSENT BEN
2500 DIABETES MELLITUS UNCOM
4409 ARTSC GENERAL AND UNSPE
7815 DISTURBANCE OF SPEECH
4020 HYPERTENSIVE HEART DIS
4370 GEN ISCHEMIC CBV DISEAS
4270 CONGESTIVE HEART FAILUR
4860 PNEUMONIA ORG / TYPE NO
5995 URIN TRACT DIS OTH / UN
4274 ATRIAL FIBRILLATION
3441 HEMIPLEGIA PARALYSIS OT
4331 CEREB THROM + PARALYSIS
4120 CHR HT DIS HEAL MYOC IN
7130 OSTEOARTHRITIS
4122 CHR HT DIS CORON ARTSC
4850 BRONCHOPNEUMONIA ORG NO

HICDA2

D3

DX1

4361 CVA WITH PAPALYSIS
4331 CEREBRAL THROMB & PARALY
4300 SUBARACHNOID HEMORRHAGE
4312 INTRACRAN HEMORRHAGE NEC
4321 PRECEREB OCCLUSION-PARAL
4313 INTRACRAN HEM NEC-PARALY
4341 CEREBRAL EMB & PARALYSIS
4311 SUBDUR HEM & PARALYSIS

D3x1

DX2

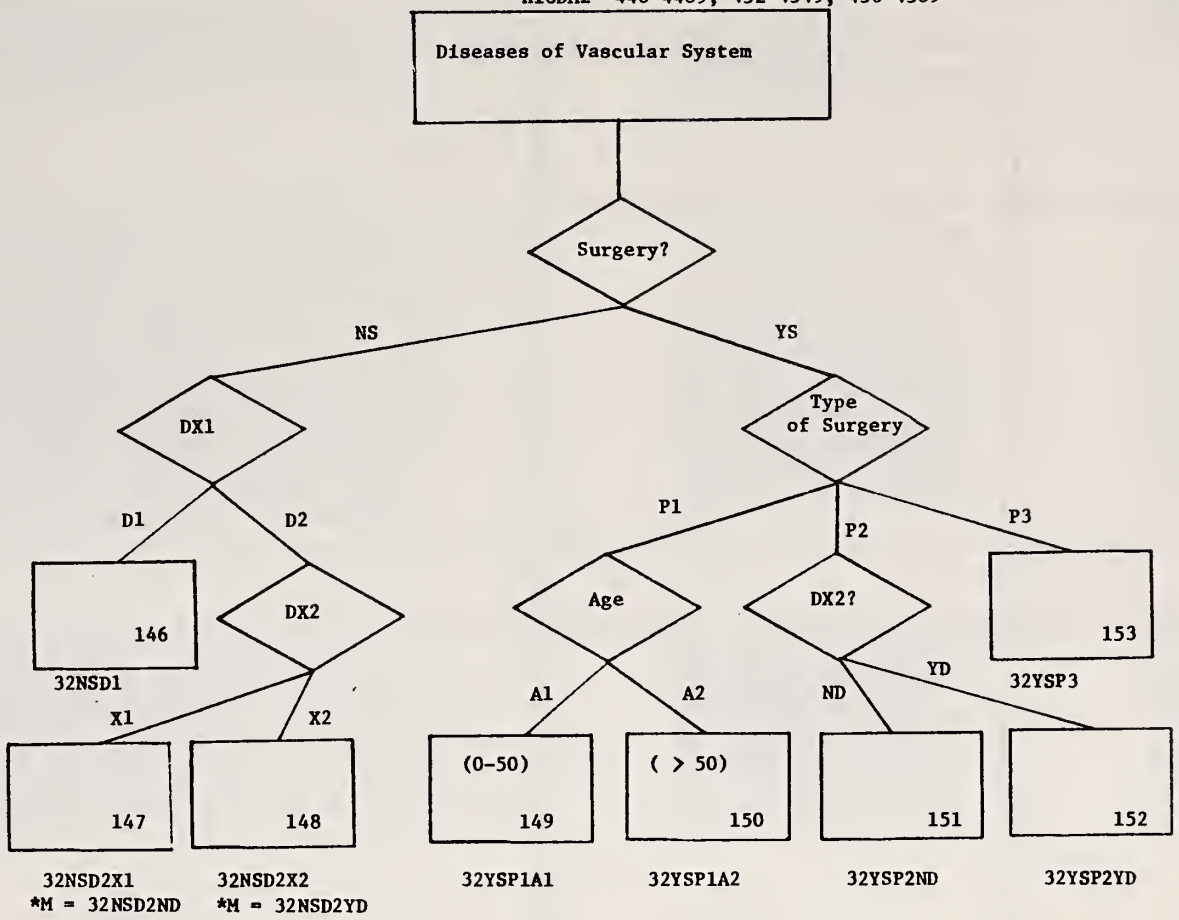
NO CODE
7703 CONVULSIONS
4960 CHR OBSTRUCTIVE LUNG DIS
4929 PULMONARY EMPHYSEMA
5515 HIATAL HERNIA
6000 BPH

D3x2

DX2

4019 BENIGN HYPERTENSION
2500 DIAB MEL ADULT ONSET NOS
4129 CHR ISCHEMIC HRT DIS NEC
4029 HYPERTENSIVE HEART DIS
7736 SPEECH DISTURBANCE
4409 ARTERIOSCLEROSIS NOS
4370 CEREBRAL ISCHEMIA NOS
3441 CEREBRAL HEMIPLEGIA
4279 CONGESTIVE HEART FAILURE
4389 CV LESION SEQUELA
5995 URIN TRACT INFECTION NOS
4331 CEREBRAL THROMB & PARALY
4163 ATRIAL FIBRILLATION
4129 HEALED MYOCARD INFARCT
4329 PRECEREBRAL OCCLUSION
4850 PNEUMONIA NOS

Diagnostic Category 32: ICDA8 2891-2893, 440-4431, 4438-4480, 452-4549, 456-4589
HICDA 4400-4431, 4438-4480, 452-4549, 4560-4589, 2891-2893
HICDA2 440-4489, 452-4549, 456-4589



*M = MADOC Group Code

32 Diseases of Vascular System

ICDA8

D1

DX1

2892 NONSPECIFIC MESENTERIC LYMPHADENITIS
4444 ARTERIAL EMBOLISM AND THROMBOSIS-OF ARTERIES OF THE EXTR
4549 VARICOSE OF LOWER EXTREMITIES-OTHER AND UNSPECIFIED, WIT
4580 -HYPOTENSION
2893 LYMPHADENITIS UNSPECIFIED, EXCEPT MESENTERIC
4430 -RAYNAUD'S SYNDROME
4449 ARTERIAL EMBOLISM AND THROMBOSIS-OF OTHER AND UNSPECIFIE
4411 AORTIC ANEURYSM (NONSYPHILITIC)-ANEURYSM OF THORACIC AOR
457 NONINFECTIVE DISEASE OF LYMPHATIC CHANNELS
4400 ARTERIOSCLEROSIS-OF AORTA
4442 ARTERIAL EMBOLISM AND THROMBOSIS-OF MESENTERIC ARTERY
4570 NONINFECTIVE DISEASE OF LYMPHATIC CHANNELS
4401 ARTERIOSCLEROSIS-OF RENAL ARTERY

D2

DX1

4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
4589 -OTHER AND UNSPECIFIED CIRCULATORY DISEASES
4439 OTHER PERIPHERAL VASCULAR DISEASE-UNSPECIFIED
4459 GANGRENE NOT ELSEWHERE CLASSIFIED
4549 VARICOSE VEINS OF LOWER EXTREMITIES-WITH ULCER
4402 ARTERIOSCLEROSIS-OF ARTERIES OF THE EXTREMITIES
447 OTHER DISEASE OF ARTERIES AND ARTERIOLES
4470 OTHER DISEASE OF ARTERIES AND ARTERIOLES
4412 AORTIC ANEURYSM (NONSYPHILITIC)-ANEURYSM OF ABDOMINAL AO
4560 VARICOSE VEINS-OF ESOPHAGUS
453 OTHER VENOUS EMBOLISM AND THROMBOSIS
4530 OTHER VENOUS EMBOLISM AND THROMBOSIS
4410 AORTIC ANEURYSM (NONSYPHILITIC)-DISSECTING ANEURYSM OF A
442 OTHER ANEURYSM
4464 POLYARTERITIS NODOSA-CRANIAL ARTERITIS
4541 VARICOSE VEINS OF LOWER EXTREMITIES-WITH STASIS DERMATIT
4430 ARTERIOSCLERTIC GANGRENE
4440 ARTERIAL EMBOLISM AND THROMBOSIS-OF ABDOMINAL AORTA
4419 AORTIC ANEURYSM (NONSYPHILITIC)-UNSPECIFIED AORTIC ANEUR
4420 OTHER ANEURYSM
4460 POLYARTERITIS NODOSA

X1

DX2

NO CODE
4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
4589 -OTHER AND UNSPECIFIED CIRCULATORY DISEASES
Y105 OTHER SURGICAL AFTERCARE
4459 GANGRENE NOT ELSEWHERE CLASSIFIED
5719 CIRRHOSIS OF LIVER-UNSPECIFIED
9976 SURGICAL COMPL-OTHER COMPLICATIONS FROM SHUNT OR INTERNA
7130 OSTEOARTHRITIS
3959 DISEASES OF AORTIC VALVE-NOT SPECIFIED AS RHEUMATIC

HICDA

D1

DX1

4400 ARTERIOSCLEROSIS AORTA
4580 HYPOTENSION OF CIRC SYS
2892 MESENT LYMPHAD NONSPEC
4449 ART EMBOL ART OTH / UNS
4444 ART EMBOL ART OF EXTREM
4570 NONINF DIS LYM CHANNELS
4419 AORTA ANEURYSM UNSPEC
4442 ART EMBOL MESENT AORTA
4402 ARTERIOSCLER ART EXTREM
2893 LYMPHADENITIS UNSPEC
4430 CAPILLARIES DISEASES
4549 VARIC VEIN LEG NO ULCER
4401 ARTERIOSCLER RENAL ART
4403 ARTSC SPEC ARTERIES OTH

D2

DX1

4409 ARTSC GENERAL AND UNSPE
4540 VARIC VEIN LEG W ULCER
4439 PERIPH VASC DIS UNSPEC
4589 CIRCULATORY DIS OTH/UNS
4413 ABD ANEURYSM NO RUPTURE
4470 ART / ARTERIOLES DIS OT
4530 VENOUS EMBOL THROM OTHE
4459 GANGRENE NOS
4582 VENOUS INSUFFICIENCY NO
4561 VARIC VEIN ESOPH W ULCE
4541 VARIC VEIN LEG STAS DER
4463 CRANIAL ARTERITIS
4420 ANEURYSM OTHER
4414 ABDOMINAL ANEURYSM RUPT
4410 DISSECTING ANEURYSM

X1

DX2

NO CODE
4409 ARTSC GENERAL AND UNSPE
7940 SENILITY
3059 CHR NONPSYCHOT SYND NOS
5621 DIVERTICULOSIS COLON
7230 OSTEOPOROSIS

HICDA2

D1

DX1

4571 MESENTERIC ADENITIS
4444 EMBOLISM OF EXTREMITY
4580 HYPOTENSION
4572 LYMPHADENITIS NOS
4549 VARICOSE VEIN OF LEG NOS
4400 AORTIC ARTERIOSCLEROSIS
4449 ARTERIAL EMBOLISM NEC
4574 LYMPHEDEMA
4573 LYMPHANGITIS
4442 MESENTERIC ARTERY EMBOL
4430 RAYNAUD'S SYNDROME

D2

DX1

4409 ARTERIOSCLEROSIS NOS
4439 PERIPHERAL VASC DIS NOS
4589 CIRCULATORY DISEASE NEC
4540 LEG VARICOSITY & ULCER
4459 GANGRENE NEC
4413 ABD AORTIC ANEURYSM
4402 ARTERIOSCLER-EXTREMITY
4479 ARTERIAL DISEASE NEC
4582 VENOUS INSUFFICIENCY NOS
4561 BLEEDING ESOPH VARICES
4469 ARTERITIS NEC
4530 VENOUS THROMBOSIS NEC
4420 ANEURYSM OF HEAD & NECK
4541 LEG VARICOSITY & INFLAMM
4410 DISSECTING AORTIC ANEURY
4450 ARTERIOSCLER GANGRENE
4463 CRANIAL ARTERITIS

X1

DX2

NO CODE
4409 ARTERIOSCLEROSIS NOS
5710 LAENNEC'S CIRRHOSIS
5995 URIN TRACT INFECTION NOS
4589 CIRCULATORY DISEASE NEC
5719 CIRRHOSIS OF LIVER NOS
3959 NONRHEUM AORTIC VAL DIS
7755 SYNCOPE & COLLAPSE
7703 CONVULSIONS
3033 CH BRAIN SYN & CIRCU DIS
4479 ARTERIAL DISEASE NEC
4449 ARTERIAL EMBOLISM NEC

32 Diseases of Vascular System
(Cont'd)

ICDA8

X2

0X2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
4444 ARTERIAL EMBOLISM AND THROMBOSIS-OF ARTERIES OF THE EXTR
4379 GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE-WITHOUT MEN
4129 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
6824 OTHER CELLULITIS AND ABSCESS-OF LEG
4019 ESSENTIAL BENIGN HYPERTENSION
4510 PHLEBITIS AND THROMBOPHLEBITIS-OF LOWER EXTREMITIES
7071 CHRONIC ULCER OF SKIN-LOWER EXTREMITY, EXCEPT DECUBITUS
4439 OTHER PERIPHERAL VASCULAR DISEASE-UNSPECIFIED
401 ESSENTIAL BENIGN HYPERTENSION
4339 CEREBRAL THROMBOSIS-WITHOUT MENTION OF HYPERTENSION
4309 SUBARACHNOID HEMORRHAGE-WITHOUT MENTION OF HYPERTENSION
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
4402 ARTERIOSCLEROSIS-OF ARTERIES OF THE EXTREMITIES
6825 OTHER CELLULITIS AND ABSCESS-OF FOOT, EXCEPT TOES
5192 -OTHER DISEASES OF LUNG
5990 URINARY TRACT INFECTION NEC
4540 VARICOSE VEINS OF LOWER EXTREMITIES-WITH ULCER

P1

OPER1

244 EXCISION AND LIGATION OF VARICOSE VEINS
592 EXCISION OF VARICOCELE OF SPERMATIC CORD
411 APPENDECTOMY
251 SIMPLE EXCISION OF LYMPH NODES AND LYMPH CYSTS

HICDA

X2

0X2

4129 CHR HT DIS OTHER / UNS
4370 GEN ISCHEMIC CBV DISEAS
4270 CONGESTIVE HEART FAILUR
2500 DIABETES MELLITUS UNCOM
4010 HYPERTENSION ESSENT BEN
7130 OSTEOARTHRITIS
4920 PULMONARY EMPHYSEMA
4020 HYPERTENSIVE HEART DIS
4130 ANGINA PECTORIS
4360 ACUTE CBV DIS WO PARAL
4122 CHR HT DIS CORON ARTSC
4350 TRANS CERE ISCH WO PARA
4439 PERIPH VASC DIS UNSPEC
7071 CHR ULCER OF LOW EXTREM
4540 VARIC VEIN LEG W ULCER
4510 PHLES THRUMB LOW EXTREM
4274 ATRIAL FIBRILLATION
5513 DIAPHRAGM HERNIA WO OBS
6824 CELLULT ABSCESS LEG
4110 AC ISCHEMIC HT DIS OTH
2503 DIABET MELLIT W OTH COM

P1

OPER1

365 EXCIS LIG VARICOSE VEIN
360 INCIS PERIPHERAL VESSEL
891 LOC EXC SKIN SUBCUT LES
350 INCIS INTRA-ABD BLD VES
320 CATHETERIZATION HEART
491 APPENDECTOMY
962 EXCIS VARICOCELE OF COR
371 SIMPLE EXCIS LYMPH NODE
370 INCIS LYMPHATIC STRUCT
261 THORACENTESIS
890 INC SKIN SUBCUTAN TISSU

HICDA2

X2

4279 CONGESTIVE HEART FAILURE
2500 DIAB MEL ADULT ONSET NOS
4129 CHR ISCHEMIC HRT DIS NEC
4130 ANGINA PECTORIS
4010 BENIGN HYPERTENSION
4370 CEREBRAL ISCHEMIA NOS
4020 HYPERTENSIVE HEART DIS
4163 ATRIAL FIBRILLATION
4120 HEALED MYOCARD INFARCT
4350 TRANSIENT ISCHEM ATTACK
4110 AC ISCHEMIC HT DIS NEC
7071 CHRONIC ULCER OF LEG
4444 EMBOLISM OF EXTREMITY
6824 CELLULITIS OF LEG
4139 MYOCARD INFARCTION NOS
4920 PULMONARY EMPHYSEMA
4960 CHR OBSTRUCTIVE LUNG DIS
4439 PERIPHERAL VASC DIS NOS
4104 SUBENDOCARDIAL MI
4459 GANGRENE NEC
7902 DEHYDRATION NEC
7130 OSTEOARTHRITIS

P1

OPER1

384 VEIN LIGATION-STRIPPING
390 ANGIOTOMY
470 APPENDECTOMY
630 VARICOCELECTOMY
401 SIMPLE EXCIS LYMPH NODE
933 CARDIAC CATHETERIZATION

.32 Diseases of Vascular System
(Cont'd)

ICDA8

P2

OPER1

240 INCISION OF PERIPHERAL VESSELS
351 SYMPATHECTOMY OR GANGLIONECTOMY
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
274 REPAIR OF OTHER INTRA-ABDOMINAL ANEURYSM
A26 OTHER BIOPSY OF CIRCULATORY AND LYMPHATIC SYSTEMS
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
855 AMPUTATION AND DISARTICULATION OF TOE(S)
302 CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
271 ENDARTERECTOMY, INTRA-ABDOMINAL
261 ENDARTERECTOMY HEAD AND NECK, BASE OF BRAIN
A28 OTHER BIOPSY OF MUSCULOSKELETAL SYSTEM
282 REPAIR OF ANEURYSM, INTRATHORACIC VESSELS
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A44 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
A29 BIOPSY OF SKIN AND SUBCUTANEOUS TISSUE
246 OPERATIONS ON ARTERIOVENOUS FISTULA, PERIPHERAL
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A2C BIOPSY OF ADRENAL GLAND, KIDNEY AND PERIRENAL TISSUE
243 EXCISION AND LIGATION OF PERIPHERAL VEINS EXCEPT VARICO
474 RESECTION OF SMALL INTESTINE
245 EXCISION OF ANEURYSM OF PERIPHERAL VESSELS
804 EXCISION OF BONE, PARTIAL
A43 BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION

P3

OPER1

247 RECONSTRUCTION OF PERIPHERAL ARTERY BY BLOOD VESSEL GRA
275 RECONSTRUCTION OF INTRA-ABDOMINAL ARTERIES BY BLOOD VES
273 REPAIR OF ABDOMINAL AORTIC ANEURYSM
857 AMPUTATION OF LEG (THROUGH TIBIA AND FIBULA)
858 AMPUTATION OF THIGH AND DISARTICULATION OF KNEE
241 ENDARTERECTOMY, PERIPHERAL
933 FREE SKIN GRAFT TO OTHER SITES
010 CRANIOTOMY
856 AMPUTATION OF FOOT
263 REPAIR OF ANEURYSM, HEAD AND NECK, BASE OF BRAIN
277 VENOUS ANASTOMOSIS, INTRA-ABDOMINAL

HICDA

P2

OPER1

351 AORTOGRAPHY
351 SYMPATHECTOMY GANGECTOM
353 AORTOGRAPHY LOW EXTRE
915 NONSURG ENDOSCOPY
551 EXPLORATORY LAPAROTOMY
350 ARTERIOGRAPHY HEAD NECK
554 ABDOMINAL PARACENTESIS
356 PLASTC INTRA-ABD ART OT
349 BLD VES HEAD NK OPER OT
916 NONSURG CYSTOSCOPY URET
971 PHYSICAL THERAPY
525 REPLACEMENT OF PACEMAKE
324 INSERTION OF PACEMAKER
963 RESECTION SMALL INTEST
940 RADIOISOTOPE SCAN EXAMI
956 VENOGRAPHY
697 SPINAL PUNCTURE
380 BONE MARROW ASPIRATION
955 ARTERIOGRAPHY OTHER
647 DILATATION OF URETHRA
914 NONSURG ESOPHAGOSCOPY
935 INTRAVENOUS PYELOGRAPHY

P3

OPER1

353 REPAIR ABD AORTIC ANEUR
367 GRAFT RECONST PERIPH AR
355 GRAFT INTRA-ABD ARTERY
878 AMP THIGH DISARTIC KNEE
877 AMPUTATION OF LEG
903 FREE SKIN GRAFT OTH LOC
341 ENDARTERECTOMY HEAD NEC
875 AMPUT / DISARTIC OF TOE
351 ENDARTERECTOMY INTRA-AB
362 EXC ANEURYSM PERIPH ART
361 ENDARTERECTOMY PERIPH
354 REP OTH INTRA-ABD ANEUR
876 AMPUTATION OF FOOT

HICDA2

P2

OPER1

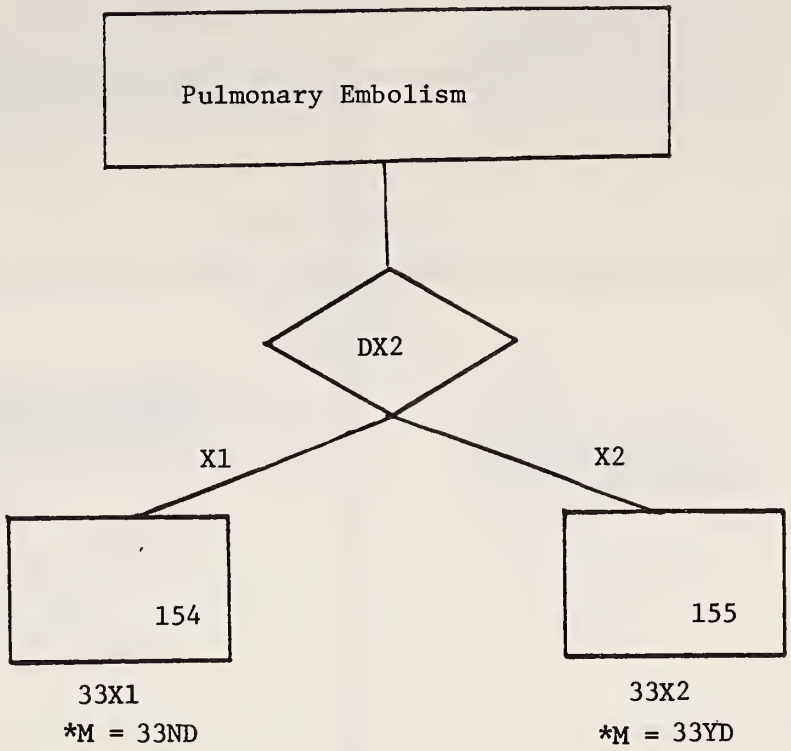
051 SYMPATH NERVE EXCISION
845 TOE AMPUTATION
884 WOUND DEBRIDEMENT
923 ESOPHAGOGASTRUSCOPY
924 PROCTOSIGMOIDOSCOPY
377 PACEMAKER IMPLANTATION
935 EXCISION SKIN LESION
925 CYSTOURETHRUSCOPY
542 LAPAROTOMY
387 OCCLUSION OF VESSEL NEC
454 RESECTION OF SMALL BOWEL
933 EXCIS LES-MUSC TEND EURS

P3

OPER1

392 SHUNT & GRAFT BYPASS NEC
847 BELOW KNEE AMPUTATION
848 ABOVE KNEE AMPUTATION
385 VEIN EXCISION NEC
383 VESSEL RESECTION & GRAFT
381 ENDARTERECTOMY NEC
893 FREE SKIN GRAFT NEC
361 DIRECT HRT REVASCULARIZ
846 FOOT AMPUTATION

Diagnostic Category 33: ICDA8 450-4500
HICDA 450-4500
HICDA2 450-4500



*M = MADOC Group Code

33 Pulmonary Embolism

ICDA8

X1

DX2

NO CODE
4010 ESSENTIAL BENIGN HYPERTENSION
1621 CA OF BRONCHUS AND LUNG
491 CHRONIC BRONCHITIS
Y105 OTHER SURGICAL AFTERCARE
5112 PLEURISY-OTHER SPECIFIED FORMS OF EFFUSION, EXCEPT TUBER
4444 ARTERIAL EMBOLISM AND THROMBOSIS-OF ARTERIES OF THE EXTR
3980 OTHER HEART DISEASE, SPECIFIED AS RHEUMATIC
7837 SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
394 OTHER HEART DISEASE, SPECIFIED AS RHEUMATIC
2770 OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN

X2

DX2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4510 PHLEBITIS AND THROMBOPHLEBITIS-OF LOWER EXTREMITIES
4519 PHLEBITIS AND THROMBOPHLEBITIS-OF OTHER AND UNSPECIFIED
412 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4119 OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE
427 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
5192 -OTHER DISEASES OF LUNG
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
4274 SYMPTOMATIC HEART DISEASE-ATRIAL FIBRILLATION OR FLUTTER
4279 SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
486 PNEUMONIA, UNSPECIFIED
4860 PNEUMONIA, UNSPECIFIED
4109 ACUTE MYOCARDIAL INFARCTION-WITHOUT MENTION OF HYPERTENS

HICDA

X1

DX2

NO CODE
4010 HYPERTENSION ESSENT BEN
4409 ARTSC GENERAL AND UNSPE
5112 PLEURAL EFFUSION OTHER
1890 NEO VAL OF PROSTATE
4910 CHRONIC BRONCHITIS

X2

DX2

4129 CHR HT DIS OTHER / UNS
4510 PHLEB THROM LOW EXTREM
4920 PULMONARY EMPHYSEMA
4270 CONGESTIVE HEART FAILUR
4800 PNEUMONIA ORG / TYPE NO
4519 PHLEB THROM OTH / UNS
4274 ATRIAL FIBRILLATION
2500 DIABETES MELLITUS UNCOM
4120 CHR HT DIS HEAL MYOC IN
4530 VENOUS EMBOL THROM OTHE
7130 OSTEOARTHRITIS
4122 CHR HT DIS CORON ARTSC
4279 HEART RHYTHM DIS OTH/UN
4850 BRONCHOPNEUMONIA ORG NO
4020 HYPERTENSIVE HEART DIS
2770 OBESITY NON-ENDOCRINE
4260 PULMONARY HEART DISEASE
3980 HEART DIS RHEUMATIC OTH

HICDA2

X1

DX2

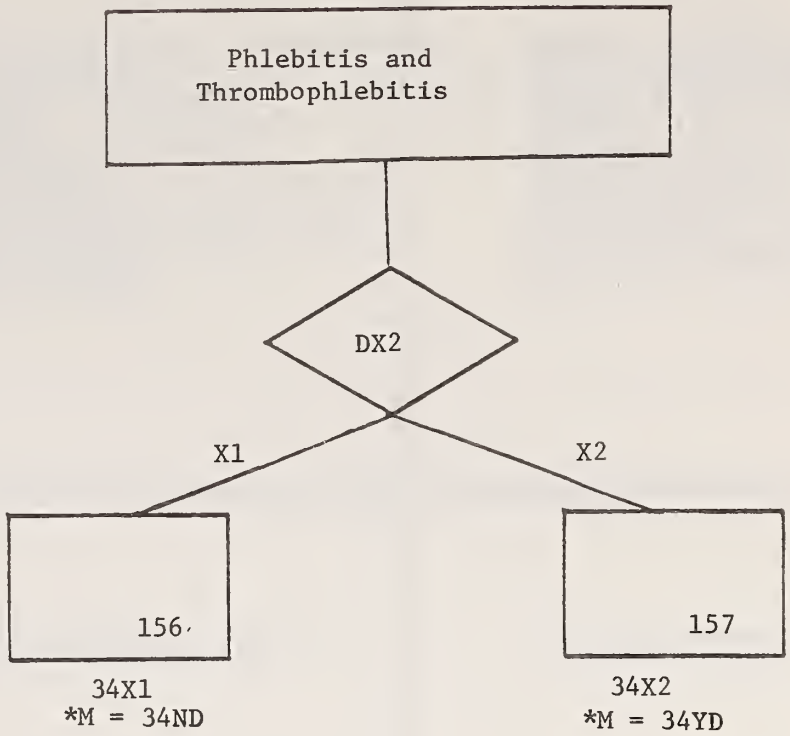
NO CODE
4010 BENIGN HYPERTENSION
4409 ARTERIOSCLEROSIS NOS
5119 PLEURAL EFFUSION NOS
7791 HEMOPTYSIS
4900 BRONCHITIS UNQUALIFIED
7840 CHEST PAIN
2770 OBESITY NON-ENDOCRINE
5149 LUNG CONGESTION NEC/NOS

X2

DX2

4511 DEEP PHLEBITIS-LEG
4129 CHR ISCHEMIC HRT DIS NEC
4510 SUPERFIC PHLEBITIS-LEG
4279 CONGESTIVE HEART FAILURE
2500 DIAB MEL ADULT ONSET NOS
4960 CHR OBSTRUCTIVE LUNG DIS
4163 ATRIAL FIBRILLATION
4519 THROMBOPHLEBITIS NEC
4860 PNEUMONIA NOS
4020 HYPERTENSIVE HEART DIS
4110 AC ISCHEMIC HT DIS NEC
5995 URIN TRACT INFECTION NOS
4120 HEALED MYOCARD INFARCT
4166 ECTOPIC BEATS
4130 ANGINA PECTORIS
4850 BRONCHOPNEUMONIA NOS
4549 VARICOSE VEIN OF LEG NOS

Diagnostic Category 34: ICDA8 451-4519
HICDA 4510-4519
HICDA2 451-4519



*M = MADOC Group Code

34 Phlebitis and Thrombophlebitis

ICDA8

X1

0X2

NO CODE
2770 OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN
Y061 PREGNANCY ASSOCIATED WITH NONOBSTETRICAL CONDITION

X2

0X2

4500 PULMONARY EMBOLISM AND INFARCTION
450 PULMONARY EMBOLISM AND INFARCTION
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4549 VARICOSE OF LOWER EXTREMITIES-OTHER AND UNSPECIFIED, WIT
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
6824 OTHER CELLULITIS AND ABSCESS-OF LEG
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
7130 OSTEOARTHRITIS
7123 RHEUMATOID ARTHRITIS AND ALLIED CONDITIONS-OTHER RHEUMAT
4010 ESSENTIAL BENIGN HYPERTENSION
4589 -OTHER AND UNSPECIFIED CIRCULATORY DISEASES
Y105 OTHER SURGICAL AFTERCARE
4439 OTHER PERIPHERAL VASCULAR DISEASE-UNSPECIFIED
2859 ANEMIA, UNSPECIFIED
1621 CA OF BRONCHUS AND LUNG
7316 SYNOVITIS, BURSITIS, AND TENOSYNOVITIS-OF KNEE
401 ESSENTIAL BENIGN HYPERTENSION
2740 GOUT
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE

HICDA

X1

0X2

NO CODE
2770 OBESITY NON-ENDOCRINE

X2

0X2

4500 PULM EMBOLISM AND INFAR
4129 CHR HT DIS OTHER / UNS
4010 HYPERTENSION ESSENT BEN
2500 DIABETES MELLITUS UNCOM
7130 OSTEOARTHRITIS
4920 PULMONARY EMPHYSEMA
4270 CONGESTIVE HEART FAILUR
6824 CELLULT ABSCESS LEG
4409 ARTSC GENERAL AND UNSPE
4020 HYPERTENSIVE HEART DIS
5999 URIN TRACT DIS OTH / UN
2740 GOUT
4122 CHR HT DIS CORON ARTSC
5513 DIAPHRAGM HERNIA NO OBS
4120 CHR HT DIS MEAL MYOC IN
4549 VARIC VEIN LEG NO ULCER
7123 RHEUMATOID ARTHRITIS OT
4589 CIRCULATORY DIS OTH/UNS
4582 VENOUS INSUFFICIENCY NO
1850 NEO MAL OF PROSTATE

HICDA2

X1

0X2

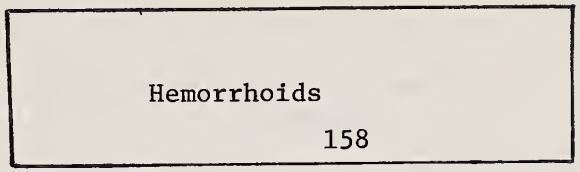
NO CODE
2770 OBESITY NON-ENDOCRINE

X2

0X2

4500 PULMONARY EMBOLISM
4129 CHR ISCHEMIC HRT DIS NEC
2500 DIAB MEL ADULT ONSET NOS
6824 CELLULITIS OF LEG
4010 BENIGN HYPERTENSION
4549 VARICOSE VEIN OF LEG NOS
7130 OSTEOARTHRITIS
4960 CHR OBSTRUCTIVE LUNG DIS
4020 HYPERTENSIVE HEART DIS
5515 HIATAL HERNIA
4409 ARTERIOSCLEROSIS NOS
5995 URIN TRACT INFECTION NOS
4279 CONGESTIVE HEART FAILURE
4582 VENOUS INSUFFICIENCY NOS
4120 HEALED MYOCARD INFARCT
2859 ANEMIA NOS
7129 RHEUMATOID ARTHRITIS NEC
7131 HYPERTROPHIC SPONOYLITIS
5959 CYSTITIS NOS

Diagnostic Category 35: ICDA8 455-4550
HICDA 455-4550
HICDA2 455-4559



35

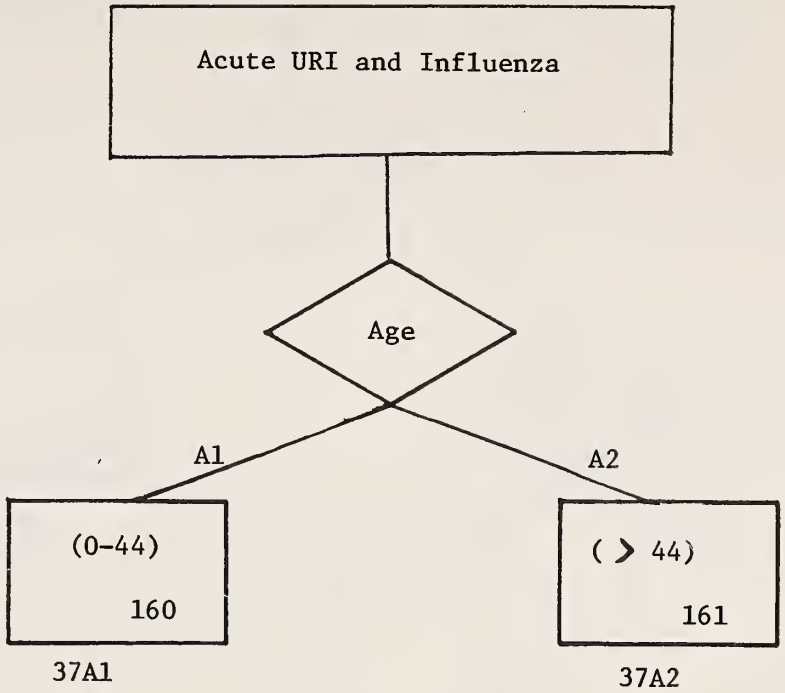
Diagnostic Category 36:

ICDA8	500-5000
HICDA	500-5000
HICDA2	500-5000

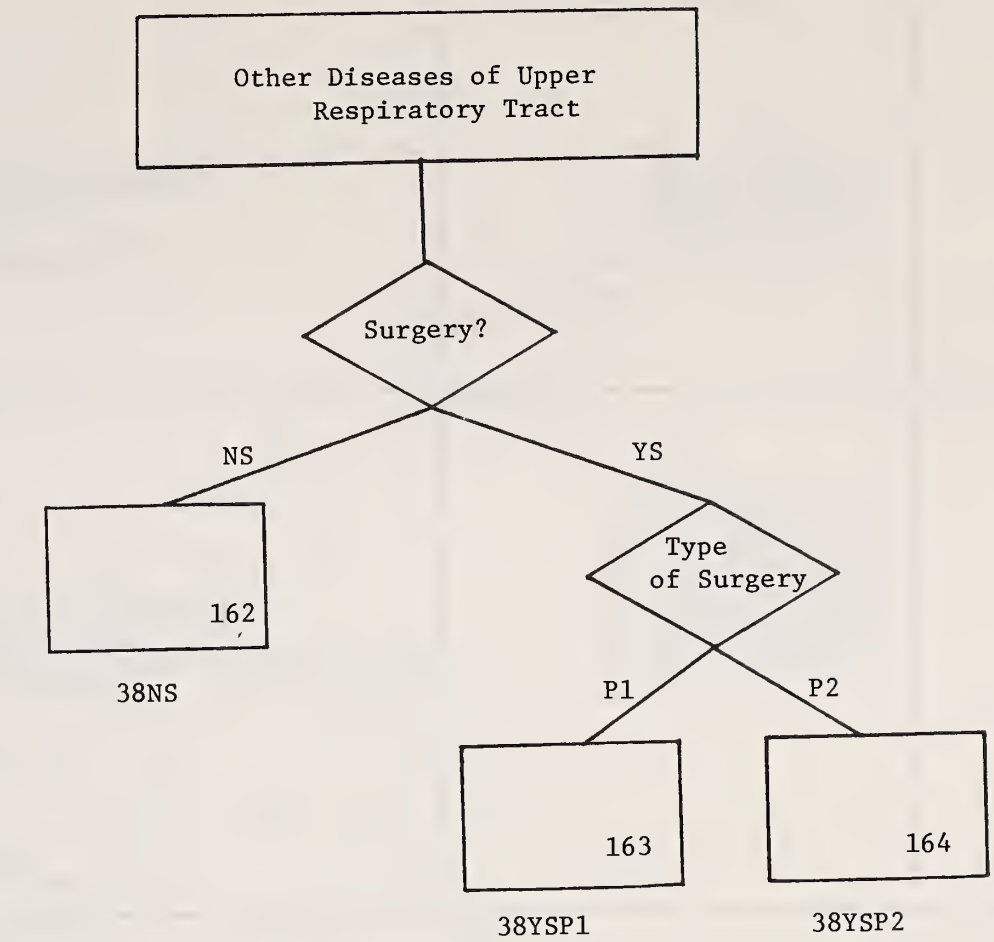
Hypertrophy of Tonsil
and Adenoid

159

Diagnostic Category 37: ICDA8 460-4650, 470-4740
HICDA 460-4650, 470-4700
HICDA2 460-4650, 470-4700



Diagnostic Category 38: ICDA8 501-5089
HICDA 501-5089
HICDA2 501-5089



38 Other Diseases of Upper Respiratory Tract

ICDA8

P1

OPER1

191	SECTION OF NASAL SEPTUM
442	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
201	LOCAL EXCISION AND DESTRUCTION OF LESION OF LARYNX, VOC
190	EXCISION OF LESION OF NOSE
A14	BIOPSY OF MOUTH AND THROAT
211	TONSILLECTOMY WITHOUT ADENOIDECTOMY
199	OTHER OPERATIONS ON ACCESSORY SINUSES

P2

OPER1

193	RHINOPLASTY AND REPAIR OF NOSE
942	PLASTIC OPERATION OF NOSE
196	RADICAL SINUSOTOMY MAXILLARY
192	TURBINECTOMY
197	OTHER SINUSOTOMY
195	OTHER OPERATIONS ON NOSE
198	ETHMOIDECTOMY AND SPHENOIDECTOMY
205	EMERGENCY TRACHEOTOMY OR TRACHEOSTOMY
210	INCISION AND DRAINAGE OF PERITONSILLAR ABSCESS

HICDA

P1

OPER1

201	LOC EXCIS OF LES OF NOS
203	SUBMUC RESECT NASAL SEP
221	EXCIS LES LARYNX TRACHE
912	NONSURG LARYNGOSCOPY
210	SINUSCTOMY
231	TONSILLECTOMY NO ADENOI
223	BIOPSY LARYNX / TRACHEA
215	PLASTIC REPAIR ACCES SI
229	LARYNX TRACHEA OPER OTH
232	TONSILLECTOMY W ADENOID
202	RESECTION OF NOSE
230	INCSN DRAINAGE TONSIL
209	NOSE OPERATIONS OTHER
204	TURBINECTOMY

P2

OPER1

206	RHINOPLASTY INTERNAL
211	RADICAL MAXIL SINUSOTOM
213	ETHMOIDECT SPHENOIDECT
205	RHINOPLASTY EXTERNAL
236	PHARYNGECTOMY REMOV LES
220	LARYNGOTOMY TRACHEOTOMY
913	NONSURG BRONCHOSCOPY
224	PLASTIC / REPAIR LARYNX
212	EXCIS LES FRONT MAXIL S
222	PARTIAL LARYNGECTOMY

HICDA2

P1

OPER1

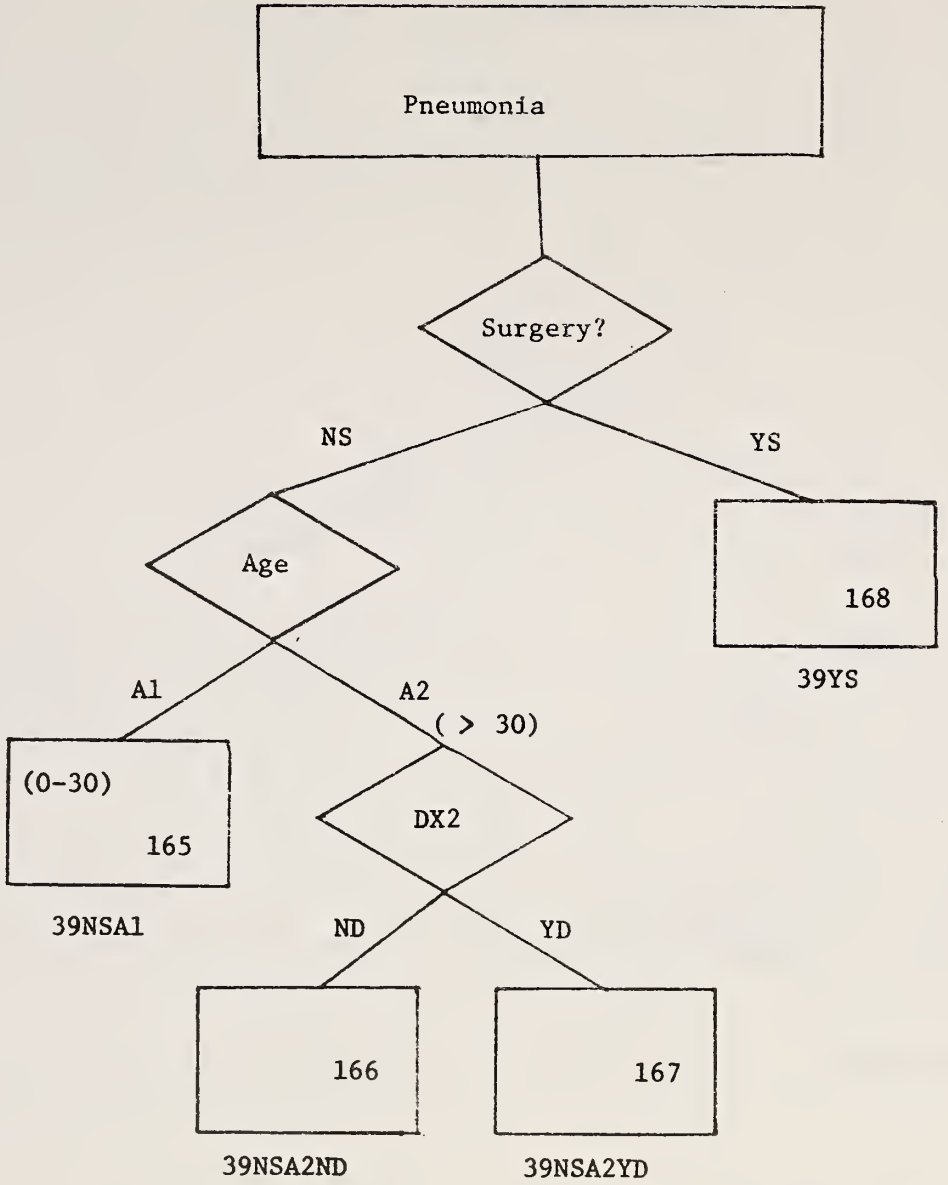
215	SMR NASAL SEPTUM
300	EXCISION LESION LARYNX
213	EXCISION OF LESION NOSE
921	LARYNGOTRACHEOSCOPY
280	I&D TONSIL & PERITONSIL
221	INTRANASAL ANTROTOMY
281	TONSILLECTOMY

P2

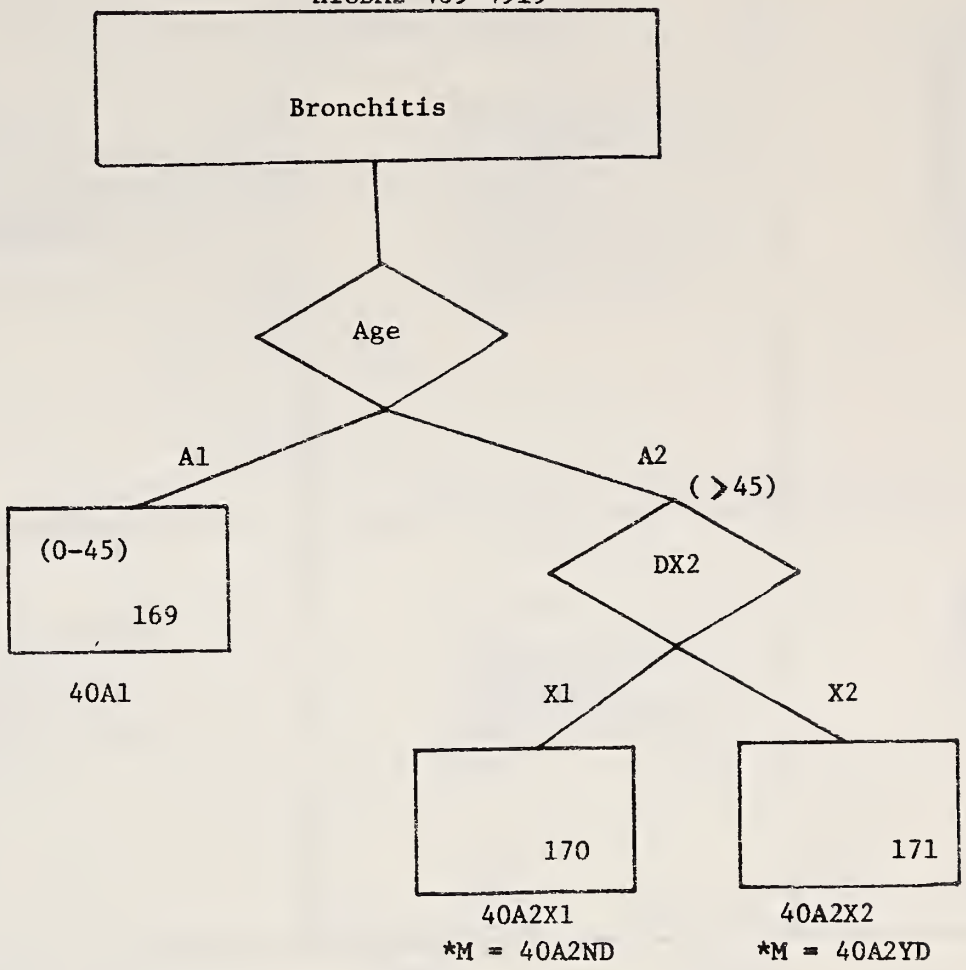
OPER1

218	NASAL REPAIR & PLASTIC
222	RAD MAXILLARY ANTROTOMY
225	ETHMOIDECT-SPHENOIDECT
486	EXCISION SKIN LESION
302	PARTIAL LARYNGECTOMY NEC
292	EXCISION LESION PHARYNX

Diagnostic Category 39: ICDA8 480-4860
HICDA 480-4860
HICDA2 480-4860



Diagnostic Category 40: ICDA8 466-4660, 490-4910
HICDA 489-4910
HICDA2 489-4919



*M = MADOC Group Code

40 Bronchitis

ICDA8

X1

0X2

NO CODE
4019 ESSENTIAL BENIGN HYPERTENSION
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
4910 CHRONIC BRONCHITIS
7831 -HEMOPTYSIS
5199 OTHER DISEASES OF RESPIRATORY SYSTEM-OTHER
7880 -ELECTROLYTE DISORDERS
3000 ANXIETY NEUROSIS
5180 BRONCHIECTASIS
491 CHRONIC BRONCHITIS
7837 SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
4700 INFLUENZA, UNQUALIFIED

X2

0X2

5192 -OTHER DISEASES OF LUNG
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4920 EMPHYSEMA
4930 ASTHMA
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
4270 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
5170 OTHER CHRONIC INTERSTITIAL PNEUMONIA
7960 UNKNOWN CAUSES,MORBID & MORTALITY-DEFINED AND UNKNOWN CA
4860 PNEUMONIA, UNSPECIFIED
4659 ACUTE UPPER RESPIRATORY INFECTION OF MULTIPLE OR UNSPECI
492 EMPHYSEMA
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
7832 -DYSPNEA
4660 ACUTE BRONCHITIS AND BRONCHIOLITIS
4900 BRONCHITIS, UNQUALIFIED
7130 OSTEOARTHRITIS

HICDA

X1

0X2

NO CODE
4010 HYPERTENSION ESSENT BEN
4650 ACUTE BRONCHITIS
4020 HYPERTENSIVE HEART DIS
7847 ALKALOS / OTH ELECTR DI
7831 HEMOPTYSIS
3980 HEART DIS RHEUMATIC OTH
5039 CHR SINUSITIS OTH / UNS

X2

0X2

4920 PULMONARY EMPHYSEMA
4129 CHR HT DIS OTHER / UNS
4910 CHRONIC BRONCHITIS
4270 CONGESTIVE HEART FAILUR
2500 DIABETES MELLITUS UNCOM
4860 PNEUMONIA ORG / TYPE NO
4700 INFLUENZA
4939 ASTHMA CAUSE UTH / UNS
4260 PULMONARY HEART DISEASE
7130 OSTEOARTHRITIS
5170 CHRON INTERST PNEUM OTH
4930 ASTHMA CAUSE POLLEN
5513 DIAPHRAGM HERNIA WO OBS
4439 ARTSC GENERAL AND UNSPE
5130 BRONCHIECTASIS
4850 BRONCHOPNEUMONIA ORG NO

HICDA2

X1

0X2

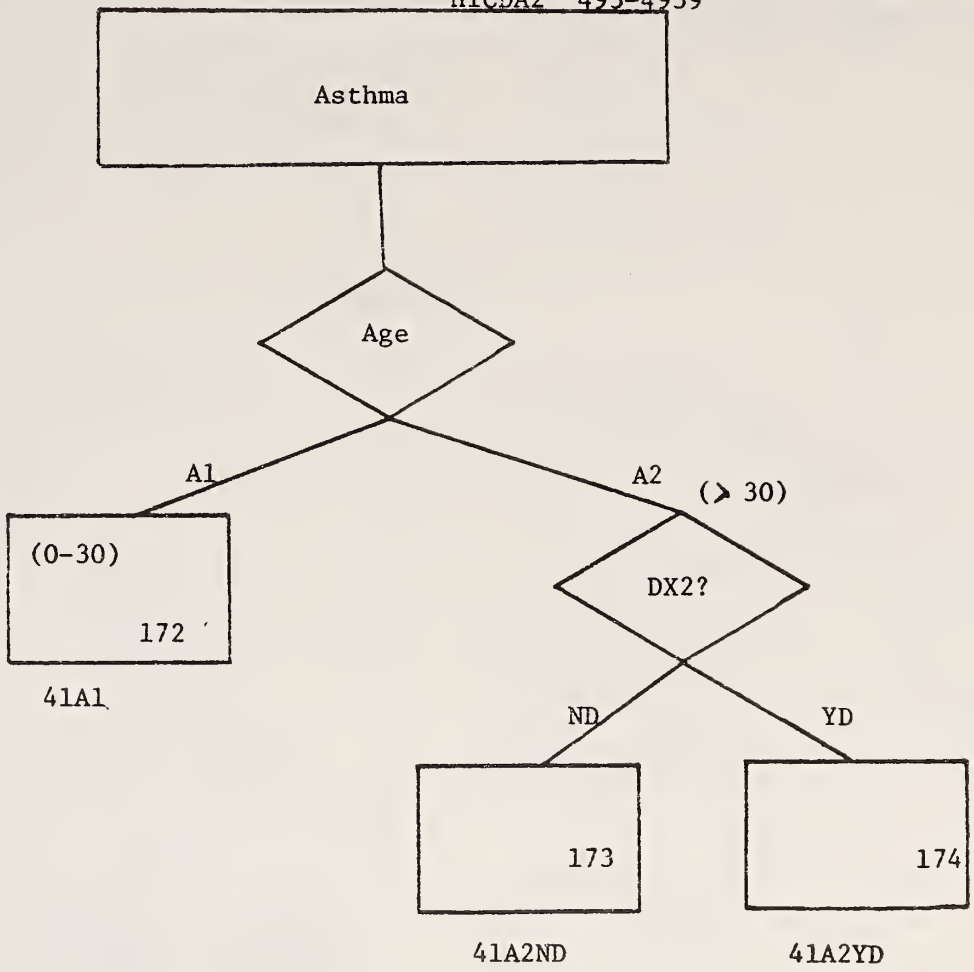
NO CODE
4010 BENIGN HYPERTENSION
4919 BRONCHITIS NEC & NOS
7791 HEMOPTYSIS
4020 HYPERTENSIVE HEART DIS
4940 BRONCHIECTASIS
7788 RESP INSUFFICIENCY NCS
5995 URIN TRACT INFECTION NOS
7902 DEHYDRATION NEC
7903 ELECTROLYTE DISORDER NEC
2740 GOUT
Y090 HX-BRONCHOGENIC MALIGNAN

X2

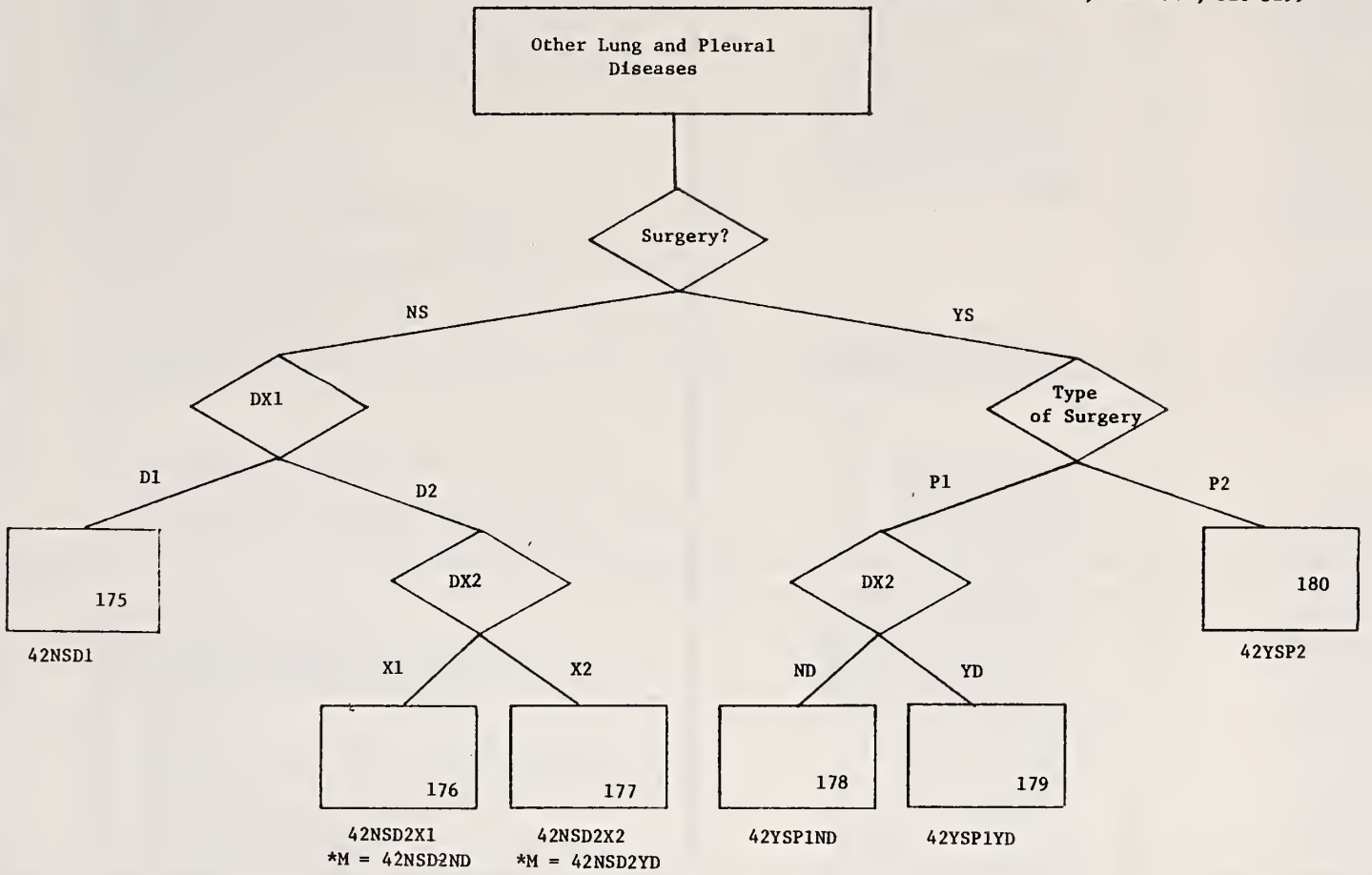
0X2

4129 CHR ISCHEMIC HRT DIS NEC
4920 PULMONARY EMPHYSEMA
4960 CHR OBSTRUCTIVE LUNG DIS
4279 CONGESTIVE HEART FAILURE
2500 DIAB MEL ACULI ONSET NOS
4939 MIXED ASTHMA & NOS
4700 INFLUENZA
4860 PNEUMONIA NOS
5179 CHRONIC FIBROSIS OF LUNG
4409 ARTERIOSCLEROSIS NOS
4912 OBSTRUCT CHR BRONCHITIS
4262 PULM HEART DISEASE NEC
4890 ACUTE BRONCHITIS
7963 RESPIRATORY FAILURE
4120 HEALED MYOCARD INFARCT
5196 LUNG DISEASE NEC
4379 CEREBRAL ISCHEMIA NOS
5197 BRONCHOTRACHEAL DIS NEC
7130 OSTEOARTHRITIS
5515 HIATAL HERNIA
0092 GASTROENTERITIS, COLITIS

Diagnostic Category 41: ICDA8 493-4930
HICDA 4930-4939
HICDA2 493-4939



Diagnostic Category 42: ICDA8 492-4920, 510-5199
HICDA 492-4920, 510-5199
HICDA2 492-4920, 494-4960, 510-5199



*M = MADOC Group Code

42 Other Lung and Pleural Disease

ICDA8

D1

DX1

5140 PULMONARY CONGESTION AND HYPOSTASIS
5110 PLEURISY-WITHOUT MENTION OF EFFUSION OR TUBERCULOSIS
5199 OTHER DISEASES OF RESPIRATORY SYSTEM-OTHER
514 PULMONARY CONGESTION AND HYPOSTASIS
512 SPONTANEOUS PNEUMOTHORAX
5120 SPONTANEOUS PNEUMOTHORAX
5130 BRONCHIECTASIS

D2

DX1

5192 -OTHER DISEASES OF LUNG
4920 EMPHYSEMA
5191 -ACUTE EDEMA OF LUNG
492 EMPHYSEMA
5170 OTHER CHRONIC INTERSTITIAL PNEUMONIA
5112 PLEURISY-OTHER SPECIFIED FORMS OF EFFUSION, EXCEPT TUBER
5190 -PULMONARY COLLAPSE

X1

DX2

NO CODE
4660 ACUTE BRONCHITIS AND BRONCHIOLITIS
466 ACUTE BRONCHITIS AND BRONCHIOLITIS
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
490 BRONCHITIS, UNQUALIFIED
7837 SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
4409 ARTERIOSCLEROSIS-GENERALIZED AND UNSPECIFIED
7130 OSTEOARTHRITIS
451 PULMONARY EMBOLISM AND INFARCTION
2800 IRON DEFICIENCY ANEMIAS
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST

HICDA

D1

DX1

5110 PLEURISY NO EFFUS OR TB
5140 PUL CONGEST HYPOSTASIS
5180 BRONCHIECTASIS
5195 BRONCHUS TRACHEA DIS OT
5130 PULMONARY COLLAPSE
5199 RESPIRATORY SYS DIS OTH
5120 SPONTANEOUS PNEUMOTHORA
5111 PLEURAL EFFUS BACT CAUS

D2

DX1

4920 PULMONARY EMPHYSEMA
5170 CHRON INTERST PNEUM OTH
5194 LUNG DISEASES OTHER
5112 PLEURAL EFFUSION OTHER
5191 ACUTE PULMONARY EDEMA

X1

DX2

NO CODE
4129 CHR HT DIS OTHER / UNS
4890 ACUTE BRONCHITIS
4930 ASTHMA CAUSE POLLEN
412G CHR HT DIS HEAL MYOC IN
4409 ARTSC GENERAL AND UNSPE
7130 OSTEOARTHRITIS
4122 CHR HT DIS CORON ARTSC
5350 GASTRITIS AND DUODENITI

HICDA2

D1

DX1

5149 LUNG CONGESTION NEC/NOS
5113 PLEURISY NOS
5129 SPONTAN PNEUMOTHORAX NEC
4940 BRONCHIECTASIS
5199 RESPIRATORY DISEASE NEC
5190 PULMONARY COLLAPSE
5197 BRONCHOTRACHEAL DIS NEC
5140 HYPOSTATIC PNEUMONIA

D2

DX1

4960 CHR OBSTRUCTIVE LUNG DIS
4920 PULMONARY EMPHYSEMA
5191 ACUTE PULMONARY EDEMA
5196 LUNG DISEASE NEC
5170 CHRONIC FIBROSIS OF LUNG
5194 ASPIRATION PNEUMONIA
5119 PLEURAL EFFUSION NOS

X1

DX2

NO CODE
4890 ACUTE BRONCHITIS
4409 ARTERIOSCLEROSIS NOS
4919 BRONCHITIS NEC & NOS
3641 IRRITABLE BOWEL SYNDROME
7130 OSTEOARTHRITIS

42 Other Lung and Pleural Disease
(Cont'd)

ICDA8

X2

DX2

4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
4273 SYMPTOMATIC HEART DISEASE-CONGESTIVE HEART FAILURE
7960 UNKNOWN CAUSES,MORBID & MORTALITY-DEFINED AND UNKNOWN CA
4910 CHRONIC BRONCHITIS
4129 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
5192 -OTHER DISEASES OF LUNG
4920 EMPHYSEMA
5170 OTHER CHRONIC INTERSTITIAL PNEUMONIA
4860 PNEUMONIA, UNSPECIFIED
4269 PULMONARY HEART DISEASE
4900 BRONCHITIS, UNQUALIFIED
4930 ASTHMA
426 PULMONARY HEART DISEASE
4010 ESSENTIAL BENIGN HYPERTENSION
5199 OTHER DISEASES OF RESPIRATORY SYSTEM-OTHER
7832 -DYSPNEA
486 PNEUMONIA, UNSPECIFIED
4109 ACUTE MYOCARDIAL INFARCTION-WITHOUT MENTION OF HYPERTENS
4279 SYMPTOMATIC HEART DISEASE-OTHER AND UNSPECIFIED DISORDER
4273 SYMPTOMATIC HEART DISEASE-OTHER HEART BLOCK
491 CHRONIC BRONCHITIS
493 ASTHMA

P1

OPER1

320 THORACOTOMY AND PLEUROTOMY
A43 BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
345 SURGICAL COLLAPSE OF LUNG
A16 BIOPSY OF THORAX
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A42 LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
302 CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
304 INSERTION OF ELECTRONIC DEVICE, HEART

P2

OPER1

342 SEGMENTAL RESECTION OF LUNG
205 EMERGENCY TRACHECTOMY OR TRACHEOSTOMY
206 PERMANENT TRACHEOSTOMY OR TRACHEOTOMY AND LARYNGOSTOMY
343 LOBECTOMY
324 PLEURECTOMY
A27 BIOPSY OF BONE
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
341 LOCAL EXCISION AND DESTRUCTION OF LESION OF LUNG
A44 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
340 PNEUMONECTOMY
207 PLASTIC RECONSTRUCTION OF TRACHEA WITH INERT MATERIAL
249 INCISION OF PERIPHERAL VESSELS
582 PROSTATECTOMY, TRANSURETHRAL
323 EXCISION AND DESTRUCTION OF LESION OF MEDIASTINUM
329 OTHER OPERATIONS ON CHEST WALL, PLEURA AND MEDIASTINUM
A51 THORACOSCOPY, TRANSPLEURAL
923 INCISION OF SKIN AND SUBCUTANEOUS TISSUE
451 SPLENECTOMY

HICDA

X2

DX2

4260 PULMONARY HEART DISEASE
4270 CONGESTIVE HEART FAILUR
7960 ILL-DEF CONO MORBID OTH
4900 BRONCHITIS UNQUALIFIED
4910 CHRONIC BRONCHITIS
4860 PNEUMONIA ORG / TYPE NO
5170 CHRON INTERST PNEUM OTH
4939 ASTHMA CAUSE OTH / UNS
4920 PULMONARY EMPHYSEMA
2500 DIABETES MELLITUS UNCOM
4850 BRONCHOPNEUMONIA ORG NO
4010 HYPERTENSION ESSENT BEN

P1

OPER1

261 THORACENTESIS
260 THORACOTOMY / PLEUROTOM
913 NONSURG BRONCHOSCOPY
915 NONSURG ENDOSCOPY
256 SURG COLLAPSE OF LUNG
891 LOC EXC SKIN SUBCUT LES
320 CATHETERIZATION HEART
229 LARYNX TRACHEA OPER OTH
912 NONSURG LARYNGOSCOPY
527 BIOP LIVER PERCUTANEOUS

P2

OPER1

258 BIOPSY OF LUNG
971 PHYSICAL THERAPY
652 PROSTATECTOMY TRANSURET
946 RADIOISOTOPE SCAN EXAMI
915 NONSURG CYSTOSCOPY URET
340 INCIS PERIPHERAL VESSEL
220 LARYNGOTOMY TRACHEOTOMY
380 BONE MARROW ASPIRATION
252 SEGMENTAL RESECTION LUN
914 NONSURG ESOPHAGOSCOPY
253 COMPLETE LOBECTOMY
223 PERMANENT TRACHEOTOMY
397 SPINAL PUNCTURE
328 ELECTRIC DEFIBRILLATION
570 REP HERN INGUIN NONRECU
266 BIOPSY CHEST WALL PLEUR
248 BIOPSY OF BRONCHUS
535 CHOLECYSTECTOMY
221 THORACOSCOPY TRANSPLEUR
658 BIOP PROST PERIPROST TI
647 DILATATION OF URETHRA
823 OP PROCT RNE W INT FIX
994 KIDNEY DIALYSIS

HICDA2

X2

DX2

4129 CHR ISCHEMIC HRT DIS NEC
4279 CONGESTIVE HEART FAILURE
7963 RESPIRATORY FAILURE
4860 PNEUMONIA NOS
4900 BRONCHITIS UNQUALIFIED
4262 PULM HEART DISEASE NEC
4920 PULMONARY EMPHYSEMA
2500 DIAB MEL ADULT ONSET NOS
7788 RESP INSUFFICIENCY NOS
4010 BENIGN HYPERTENSION
4939 MIXED ASTHMA & NOS
5170 CHRONIC FIBROSIS OF LUNG
4020 HYPERTENSIVE HEART DIS
5196 LUNG DISEASE NEC
4960 CHR OBSTRUCTIVE LUNG DIS
4859 BRONCHOPNEUMONIA NOS
4912 OBSTRUCT CHR BRONCHITIS
5197 BRONCHOTRACHEAL DIS NEC
4659 ACUTE URI NOS
4163 ATRIAL FIBRILLATION
7781 DYSPNEA
4940 BRONCHIECTASIS
5199 RESPIRATORY DISEASE NEC

P1

OPER1

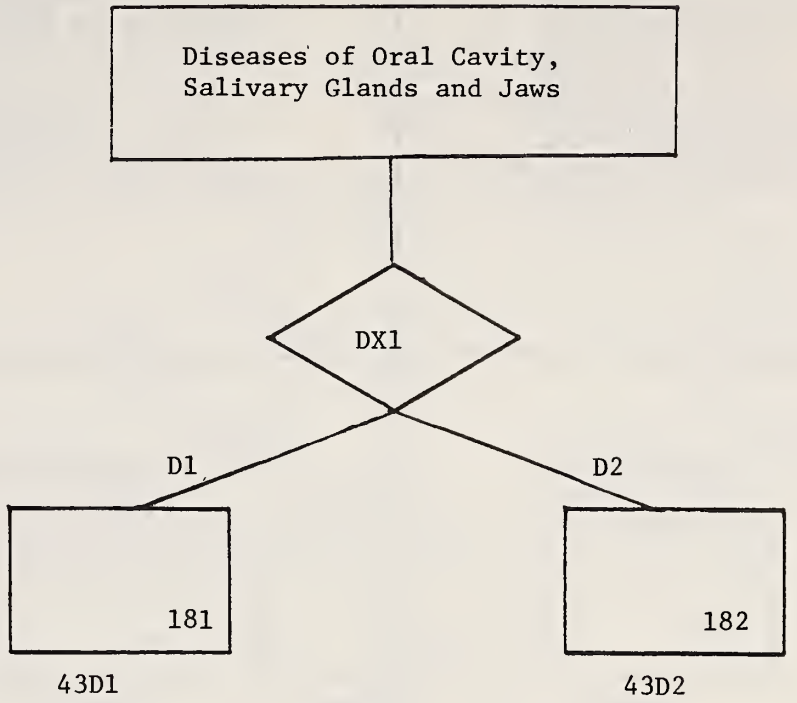
341 THORACOTOMY
922 BRONCHOSCOPY
340 THORACENTESIS
335 SURGICAL COLLAPSE LUNG
924 PROCTOSIGMOIDOSCOPY
921 LARYNGOTRACHEOSCOPY
401 SIMPLE EXCIS LYMPH NODE
377 PACEMAKER IMPLANTATION
933 CARDIAC CATHETERIZATION
317 TRACHEAL PLASTIC

P2

OPER1

331 EXCISION LESION OF LUNG
311 TEMPORARY TRACHEOSTOMY
332 SEGMENTAL RESECTION LUNG
321 EXCISION LESION BRONCHUS
925 CYSTOURETHROSCOPY
345 PLEURECTOMY
923 ESOPHAGOGASTROSCOPY
333 LOBECTOMY OF LUNG
885 EXCISION SKIN LESION
602 TRANSURETH PROSTATECTOMY
585 URETHRAL DILATION
312 PERMANENT TRACHEOSTOMY
380 ANGIOTOMY
314 EXCISION LESION TRACHEA
530 UNILAT ING HERNIORRHAPHY
330 PNEUMONECTOMY

Diagnostic Category 43: ICDA8 520-5299
HICDA 5200-5207, 5209-5269
HICDA2 520-5299



43 Diseases of Oral Cavity, Salivary Glands and Jaws

ICDA8

01

0x1

5206 -DISTURBANCES IN TOOTH ERUPTION
5210 DISEASES OF HARD TISSUES OF TEETH-DENTAL CARIES

02

0x1

5289 DISEASES OF THE ORAL SOFT TISSUES, EXCLUDING GINGIVA AND
5272 DISEASES OF THE SALIVARY GLANDS-SIALOADENITIS
5225 -PERIAPICAL ABSCESS
5262 DISEASES OF THE JAWS-OTHER CYSTS OF JAWS
5224 -ACUTE APICAL PERIODONTITIS
5239 PERIODONTAL DISEASES-OTHER AND UNSPECIFIED
5243 ANOMALIES OF TOOTH POSITION
5269 DISEASES OF THE JAWS-OTHER AND UNSPECIFIED
5276 DISEASES OF THE SALIVARY GLANDS-MUCOCELE
5285 -DISEASES OF LIPS
5264 DISEASES OF THE JAWS-INFLAMMATORY CONDITIONS
5280 -STOMATITIS
5241 ANOMALIES OF JAW-CRANIAL BASE RELATIONSHIP
5275 DISEASES OF THE SALIVARY GLANDS-SIALOLITHIASIS
5283 -CELLULITIS AND ABSCESS
5296 -LEUKOPLAKIA OF ORAL MUCOSA
5260 DISEASES OF THE JAWS-DEVELOPMENTAL DENTAL CYSTS
5259 DISEASES AND CONDITIONS OF THE TEETH OTHER AND UNSPECIFI
5273 DISEASES OF THE SALIVARY GLANDS-ABSCESS
5240 MAJOR ANOMALIES OF JAW SIZE
5228 -RADICULAR CYST
5271 DISEASES OF THE SALIVARY GLANDS-HYPERTROPHY
5299 -OTHER AND UNSPECIFIED

HICDA

01

0x1

5210 DENTAL CARIES
5206 IMPACTED TEETH

02

0x1

5234 CHRONIC PERIODONTITIS
5264 INFLAM CONDITION JAWS
5225 PERIAPICAL ABSCESS
5239 PERIODONTAL DIS OTH/UNS
5241 ANOM JAW-CRAN BASE REL
5224 AC APICAL PERIODONTITIS
5245 PERIODONTOSIS
5231 CHRONIC GINGIVITIS
5262 CYSTS OF JAWS OTHER
5220 PULPITIS
5233 ACUTE PERIODONTITIS
5240 MJ ANOM SIZE MAND / MAX
5251 ATROP EDENTU ALVEO RIDG
5230 ACUTE GINGIVITIS
5228 RADICULAR CYST PULP
5219 HARD TIS TEETH OTH / UN
5259 COND TEETH SUP STRUC NO

HICD2

01

0x1

5206 IMPACTED TEETH
5210 DENTAL CARIES

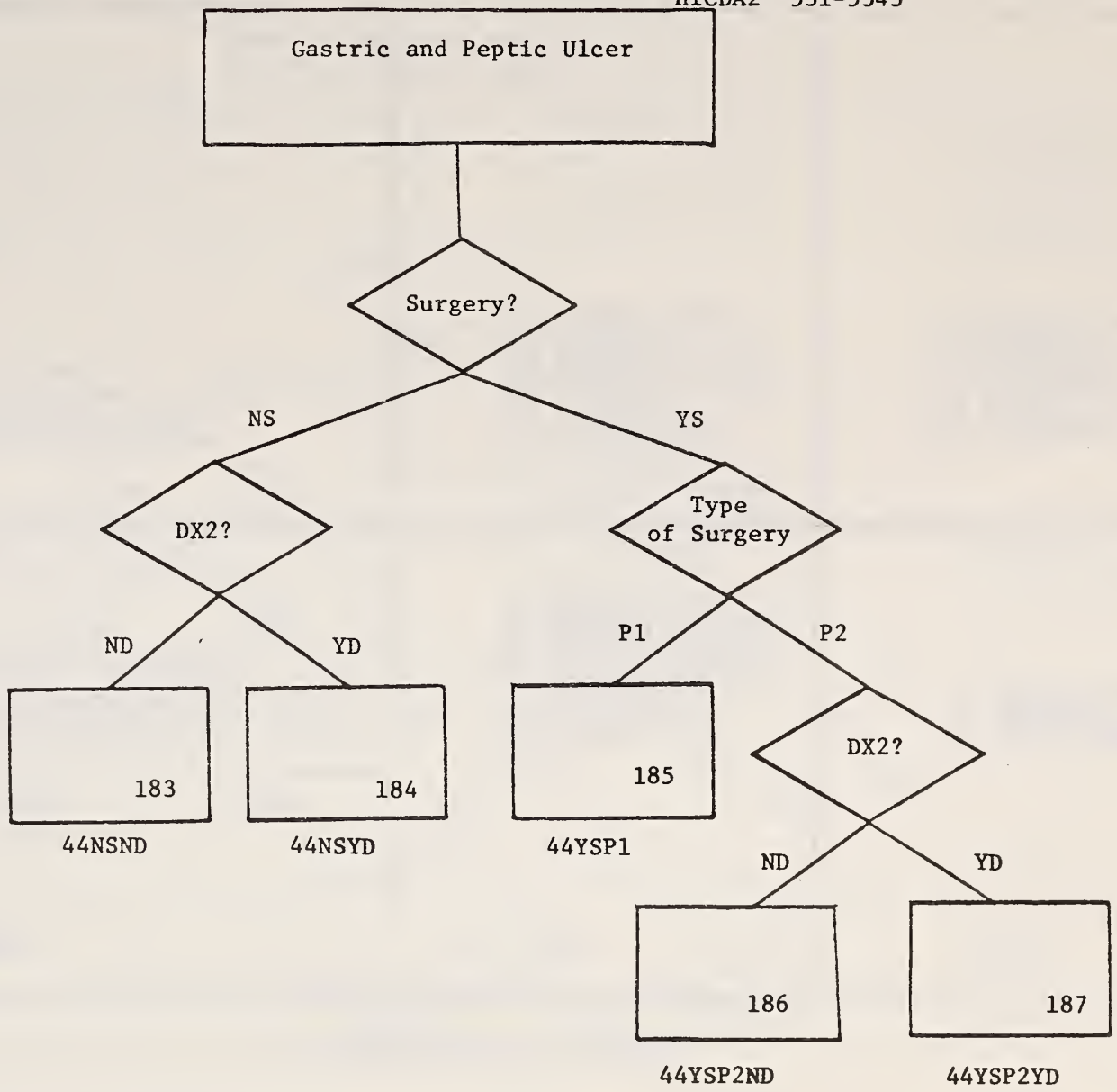
02

0x1

5272 SIALOADENITIS
5264 INFLAMMATION OF JAW
5283 CELLUL & ABSCESS MOUTH
5289 ORAL SOFT TIS DIS NEC
5225 PERIAPICAL ABSCESS
5262 CYSTS OF JAWS NEC
5285 LIP DISEASES
5234 CHRONIC PERIODONTITIS
5275 SIALOLITHIASIS
5273 SALIVARY GLAND ABSCESS
5231 CHRONIC GINGIVITIS
5224 AC APICAL PERIODONTITIS
5276 MUCOCELE
5296 ORAL MUCOSA LEUKOPLAKIA
5266 EXOSTOSIS OF JAW
5280 STOMATITIS
5259 TOOTH DISEASE NEC & NOS
5260 DEVELOPMENT DENTAL CYST
5243 TOOTH POSITION ANOMALY
5246 TEMPOROMANDIBULAR DISORD
5299 TONGUE DISEASE NEC/NOS
5271 SALIVARY GLD HYPERTROPHY

Diagnostic Category 44:

ICDA8	531-5349
HICDA	5310-5343
HICDA2	531-5343



44 Gastric and Peptic Ulcer

ICDA8

P1

OPER1

A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
A18	BIOPSY OF STOMACH AND INTESTINES
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
484	ENTERORRHAPHY
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
461	PYLOROPLASTY AND OTHER DRAINAGE PROCEDURES
A27	BIOPSY OF BONE

P2

OPER1

462	GASTRIC RESECTION, PARTIAL OR SUBTOTAL
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
466	REPAIR AND PLASTY OF STOMACH
465	ANASTOMOSIS OF STOMACH
463	GASTRIC RESECTION, COMPLETE OR TOTAL
460	GASTROTOMY
582	PROSTATECTOMY, TRANSURETHRAL
464	GASTROSTOMY

HICDA

P1

OPER1

914	NONSURG ESOPHAGOSCOPY
448	BIOPSY OF STOMACH
915	NONSURG ENDOSCOPY
484	ENTERORRHAPHY
916	NONSURG CYSTOSCOPY URET
919	FIBER OPTIC EXAM ANY LO
910	OTOSCOPY REMOVE FGN BOD
920	ESOPHAGOS THRU GASTROST
461	LOC EXCIS SM INTEST LES
43d	BIOPSY OF ESOPHAGUS
651	PROSTATECTOMY SUPRAPUBI
439	ESOPHAGEAL OPERATION OT
3d0	BONE MARROW ASPIRATION

P2

OPER1

443	PARTIAL GASTRECTOMY
446	VAGOTOMY
551	EXPLORATORY LAPAROTOMY
455	PYLOROPLASTY
456	GASTRORRHAPHY OTH PLAST
45z	ANASTOMOSIS OF STOMACH
442	LOC EXCIS LES OF STOMAC
535	CHOLECYSTECTOMY
652	PROSTATECTOMY TRANSURET
440	GASTROTOMY
444	COMPLETE GASTRECTOMY
450	GASTROSTOMY TEMPORARY

HICDA2

P1

OPER1

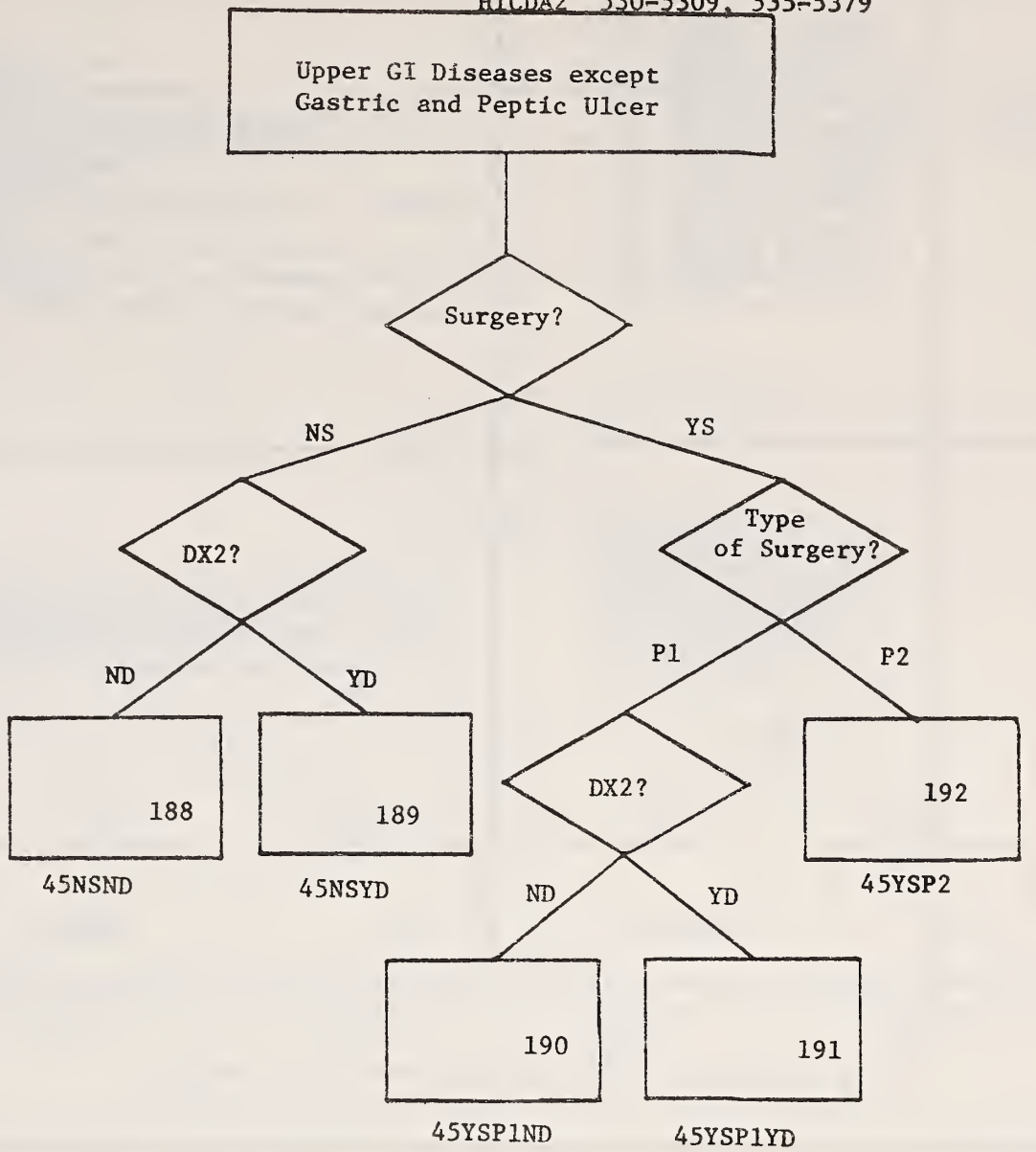
923	ESOPHAGOGASTROSCOPY
924	PROCTOSIGMOIDOSCOPY
925	CYSTOURETHROSCOPY
467	ENTERORRHAPHY
451	EXCISION SM BOWEL LESION
885	EXCISION SKIN LESION

P2

OPER1

437	PART GASTREC & G-JEJUNOST
434	EXCISION STOMACH LESION
440	VAGOTOMY
435	PART GASTREC & G-ESOPHAGUS
436	PART GASTREC & G-DUODENOST
443	PEPTIC ULCER SITE SUTURE
542	LAPAROTOMY
438	PARTIAL GASTRECTOMY NEC
441	PYLOROPLASTY
445	GASTRORRHAPHY NEC

Diagnostic Category 45: ICDA8 530-5309, 535-5379
HICDA 5270-5309, 535-5379
HICDA2 530-5309, 535-5379



45 Upper GI Diseases Except Gastric and Peptic Ulcer

ICDA8

P1

OPER1	
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
357	DILATION OF ESOPHAGUS
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
A18	BIOPSY OF STOMACH AND INTESTINES
461	PYLOROPLASTY AND OTHER DRAINAGE PROCEDURES
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU

P2

OPER1	
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
462	GASTRIC RESECTION, PARTIAL OR SUBTOTAL
A16	BIOPSY OF THORAX
351	LOCAL EXCISION AND DESTRUCTION OF LESION OF ESOPHAGUS
350	ESOPHAGOTOMY
356	REPAIR AND PLASTIC OPERATIONS ON ESOPHAGUS
465	ANASTOMOSIS OF STOMACH
468	VAGOTOMY
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
466	REPAIR AND PLASTY OF STOMACH
513	HEMORRHOIDECTOMY
352	RESECTION OF ESOPHAGUS
480	ANASTOMOSIS, SMALL TO SMALL INTESTINE
403	DIVISION OF PERITONEAL ADHESIONS
A59	OTHER ENDOSCOPY WITH SURGICAL APPROACH
502	LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM
451	SPLENECTOMY
582	PROSTATECTOMY, TRANSURETHRAL
321	THORACENTESIS
575	DILATION OF URETHRA
464	GASTROSTOMY

HICDA

P1

OPER1	
914	NONSURG ESOPHAGOSCOPY
439	ESOPHAGEAL OPERATION NT
448	BIOPSY OF STOMACH
410	NONSURG ENDOSCOPY
438	BIOPSY OF ESOPHAGUS
916	NONSURG CYSTOSCOPY URET
423	EXCIS LES SAL GLAND OTH
891	LOC EXC SKIN SUBCUT LES
423	EXCIS SALIVARY GLAND NT
416	EXCIS LESION OF MOUTH
455	PYLOROPLASTY
236	PHARYNGECTOMY REMOV LES
910	OTOSCOPY REMOVE FGN BOD

P2

OPER1	
443	PARTIAL GASTRECTOMY
446	VAGOTOMY
453	ANASTOMOSIS OF STOMACH
431	LOC EXC ESOPHAGUS LESIO
551	EXPLORATORY LAPAROTOMY
456	GASTROSTOMY TEMPORARY
920	ESOPHAGOS THRU GASTROST
430	ESOPHAGOTOMY
380	BONE MARROW ASPIRATION
577	REP HERN DIAPHR ABO APP
260	THORACOTOMY / PLEUROTOM
436	PLASTIC / REP OF ESOPHA
652	PROSTATOTOMY TRANSURET
444	COMPLETE GASTRECTOMY
470	RESECT COLON SEGMENTAL
535	CHOLECYSTECTOMY
935	INTRAVENOUS PYELOGRAPHY
562	DIVISION PERIT ADHESION
919	FIBER OPTIC EXAM ANY LO
479	ENTEROSTOMY OTHER
456	GASTRORRHAPHY OTH PLAST
432	RESECTION OF ESOPHAGUS
442	LOC EXCIS LES OF STOMAC
946	RADIOISOTOPE SCAN EXAMI

HICDA2

P1

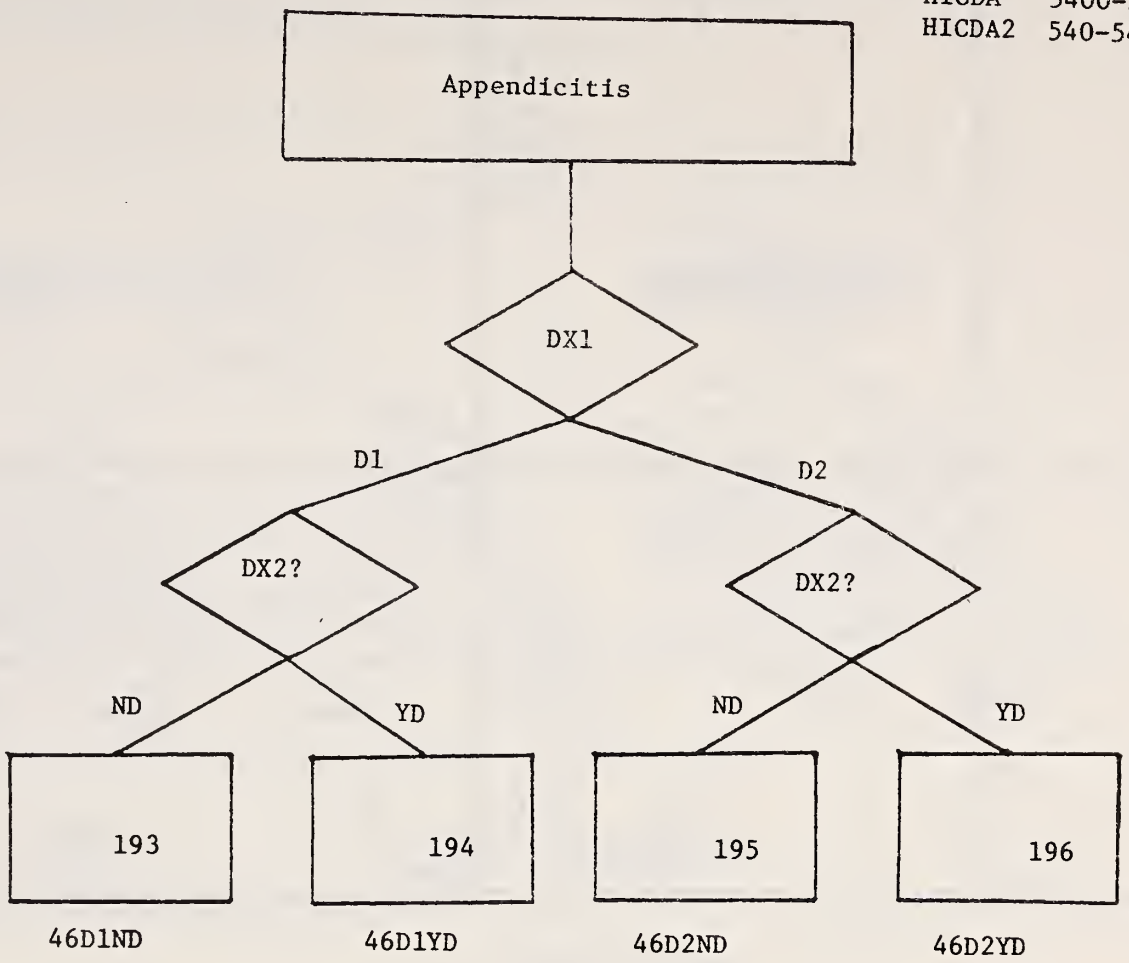
OPER1	
923	ESOPHAGOGASTROSCOPY
428	ESOPHAGEAL DILATION
925	CYSTOURETHROSCOPY
924	PROCTOSIGMOIDOSCOPY
451	EXCISION SM BOWEL LESION
433	PYLOROMYOTOMY

P2

OPER1	
434	EXCISION STOMACH LESION
422	EXCISION ESOPHAGEAL LES
437	PART GASTREC & G-JEJUNOST
440	VAGOTOMY
500	PERCUTANEOUS LIVER ASPIR
341	THORACOTOMY
435	PART GASTREC & G-ESOPHAGOS
445	GASTRORRHAPHY NEC
426	ESOPHAGOMYOTOMY
342	LAPAROTOMY
444	GASTRIC ANASTOM REVISION
436	PART GASTREC & G-DUODENOST
420	ESOPHAGOTOMY
423	ESOPHAGEAL RESECTION
585	URETHRAL DILATION

Diagnostic Category 46:

ICDA8	540-5430
HICDA	5400-5430
HICDA2	540-5430



46 Appendicitis

ICDA8

D1

DX1

5409 ACUTE APPENDICITIS-WITHOUT MENTION OF PERITONITIS
541 APPENDICITIS, UNQUALIFIED

D2

DX1

5400 ACUTE APPENDICITIS-WITH PERITONITIS

HICDA

D1

DX1

5400 ACUTE APPEND W/O PERIT

D2

DX1

5401 ACUTE APPEND W PERIT
5420 APPENDICITIS OTHER
5430 APPENDIX DISEASES OTHER

HICDA2

D1

DX1

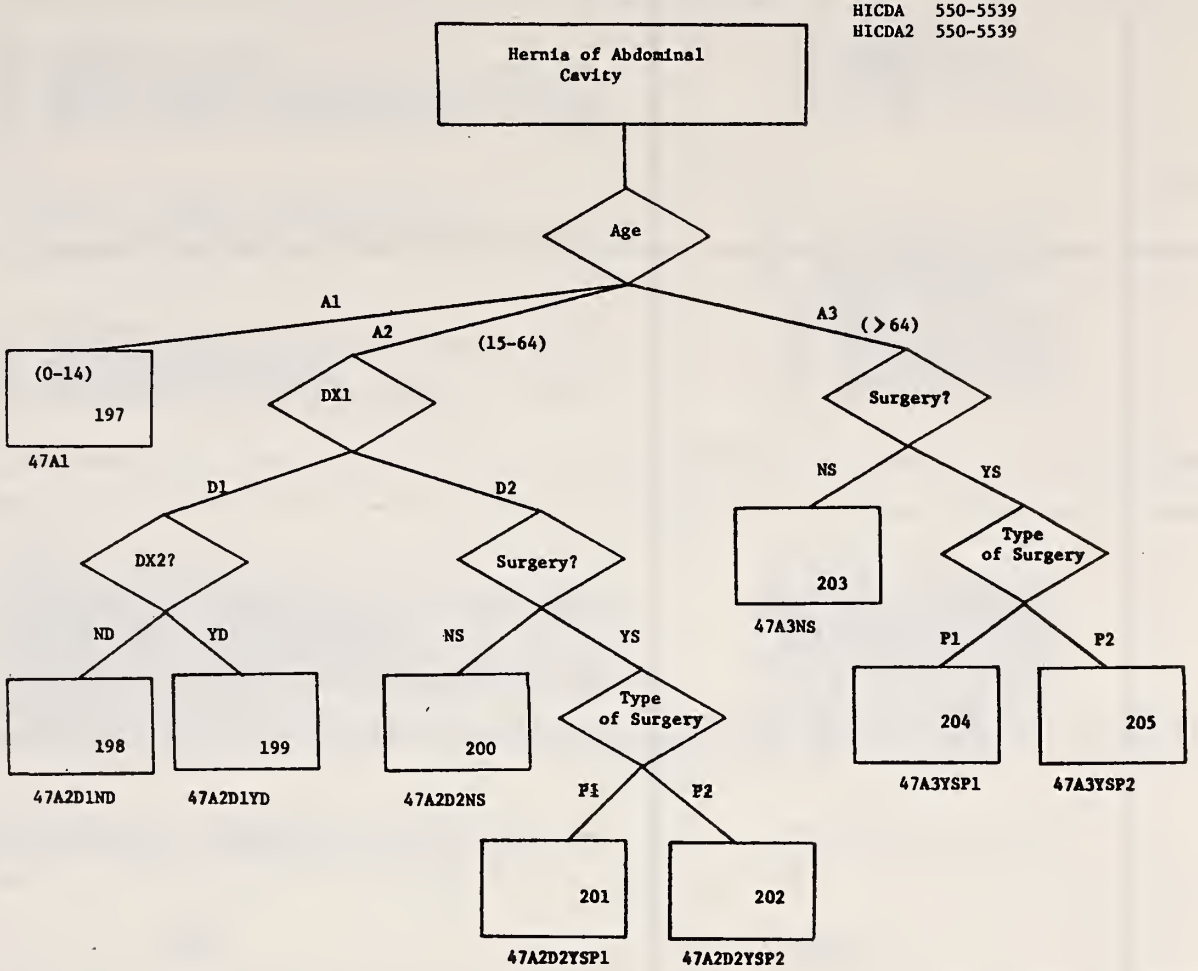
5400 ACUTE APPENDICITIS NOS

D2

DX1

5401 APPENDICITIS & PERITONIT
5423 APPENDICITIS NEC
5430 DISEASE OF APPENDIX NEC

Diagnostic Category 47: ICDA8 550-5539
HICDA 550-5539
HICDA2 550-5539



47 Hernia of Abdominal Cavity

ICDA8

D1

DX1

5500 INGUINAL HERNIA WITHOUT MENTION OF OBSTRUCTION
5501 INGUINAL HERNIA WITHOUT MENTION OF OBSTRUCTION
5511 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST

D2

DX1

5512 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
5510 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
5520 INGUINAL HERNIA WITH OBSTRUCTION
5531 OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION-UMBILI
552 INGUINAL HERNIA WITH OBSTRUCTION
5532 OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION-VENTRA
5530 OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION-FEMORA

D2YSP1

OPER1

382 REPAIR OF INGUINAL HERNIA EXCEPT RECURRENT
384 REPAIR OF FEMORAL HERNIA EXCEPT RECURRENT
A44 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
387 REPAIR OF EPIGASTRIC HERNIA
388 REPAIR OF UMBILICAL HERNIA
A49 OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
383 REPAIR OF RECURRENT INGUINAL HERNIA

D2YSP2

OPER1

386 REPAIR OF VENTRAL OR INCISIONAL HERNIA
380 REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, ABDOMINAL
381 REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, THORACIC
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
389 OTHER HERNIA REPAIR

HICDA

D1

DX1

5500 INGUINAL HERNIA NO OBST
5511 UMBILICAL HERNIA NO OBS

D2

DX1

5512 VENTRAL HERNIA NO OBST
5513 DIAPHRAGM HERNIA NO OBS
5510 FEMORAL HERNIA NO OBST
5520 INGUINAL HERNIA W OBST
5532 VENTRAL HERNIA W OBST
5531 UMBILICAL HERNIA W OBST
5518 HERNIA OTH SITE NO OBST

D2YSP1

OPER1

570 REP HERN INGUIN NONRECU
576 REPAIR UMBILICAL HERNIA
572 REP HERN FEMOR NONRECUR
575 REPAIR EPIGASTRIC HERNI
914 NONSURG ESOPHAGOSCOPY
433 BIOPSY OF ESOPHAGUS
571 REP HERN INGUIN RECURR
916 NONSURG CYSTOSCOPY URET
557 EXCIS PERITONEUM LESION

D2YSP1

OPER1

574 REP HERN VENT INCISIONA
577 REP HERN DIAPHR ABD APP
446 VAGOTOMY
578 REP HERN DIAPHR THOR AP
535 CHOLECYSTECTOMY
579 HERNIA REPAIR OTHER
443 PARTIAL GASTRECTOMY

HICDA2

D1

DX1

5500 UNILAT INGUINAL HERNIA
5501 BILAT INGUINAL HERNIA
5502 RECURR INGUINAL HERNIA
5512 UMBILICAL HERNIA

D2

DX1

5513 VENTRAL HERNIA NOS
5515 HIATAL HERNIA
5520 OBSTRU UNILAT ING HERNIA
5533 OBSTRUCTED VENT HERNIA
5532 OBSTRUCTED UMB HERNIA
5510 FEMORAL HERNIA NOS
5514 RECURRENT VENTRAL HERNIA
5530 OBSTRUCT FEMORAL HERNIA
5522 OBSTPL RECURR ING HERNIA
5521 OBSTRUC BILAT ING HERNIA
5533 OBSTR ABD CAV HERNIA NEC

D2YSP1

OPER1

535 ANT ABD HERNIORRHAPH NEC
530 UNILAT ING HERNIORRHAPHY
923 ESOPHAGOGASTRLSCOPY
534 UMBILICAL HERNIORRHAPHY
536 ANT ABD HERNIA-PROSTH
924 PROCTOSIGMOIDOSCOPY
532 BILAT ING HERNIORRHAPHY
422 EXCISION ESOPHAGEAL LES

D2YSP2

OPER1

537 DIAPHRAGM HERNIA REP-ABD
538 DIAPHRAGM HERN REP-THOR
542 LAPAROTOMY
539 HERNIORRHAPHY NEC
545 LYSIS PERITONEAL ADHES
685 EXCISION SKIN LESION
454 RESECTION OF SMALL BOWEL
707 CUL-DE-SAC OBLITERATION
341 THORACOTOMY
511 CHOLECYSTECTOMY
445 GASTRORRHAPHY NEC
632 EXCIS SPERM CORD LES NEC
464 REPAIR OF ARTIFIC STOMA
385 URETHRAL DILATION

47 Hernia of Abdominal Cavity
(Cont'd)

ICDA8

P1

OPER1

382	REPAIR OF INGUINAL HERNIA EXCEPT RECURRENT
383	REPAIR OF RECURRENT INGUINAL HERNIA
384	REPAIR OF FEMORAL HERNIA EXCEPT RECURRENT
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
387	REPAIR OF EPIGASTRIC HERNIA

P2

OPER1

386	REPAIR OF VENTRAL OR INCISIONAL HERNIA
388	REPAIR OF UMBILICAL HERNIA
474	RESECTION OF SMALL INTESTINE
381	REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, THORACIC
715	OTHER PLASTIC OPERATIONS ON VAGINA
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
389	OTHER HERNIA REPAIR
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A27	BIOPSY OF BONE
A1a	BIOPSY OF STOMACH AND INTESTINES
38C	REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, ABDOMINAL
582	PROSTATECTOMY, TRANSURETHRAL

HICDA

P1

OPER1

570	REP HERN INGUIN NONRECU
571	REP HERN INGUIN RECURR
572	REP HERN FEMOR NONRECUR
576	REPAIR UMBILICAL HERNIA
914	NONSURG ESOPHAGOSCOPY
915	NONSURG ENDOSCOPY

P2

OPER1

574	REP HERN VENT INCISIONA
577	REP HERN DIAPHR ABD APP
575	REPAIR EPIGASTRIC HERNI
463	RESECTION SMALL INTEST
551	EXPLORATORY LAPAROTOMY
535	CHOLECYSTECTOMY
562	DIVISION PERIT ADHESION
578	REP HERN DIAPHR THOR AP
916	NONSURG CYSTOSCOPY URET
652	PROSTATECTOMY TRANSURET
483	PLASTC REP ARTIFIC STOM
579	HERNIA REPAIR OTHER
430	BIOPSY OF ESOPHAGUS
446	VAGOTOMY
470	RESECT COLON SEGMENTAL

HICDA2

P1

OPER1

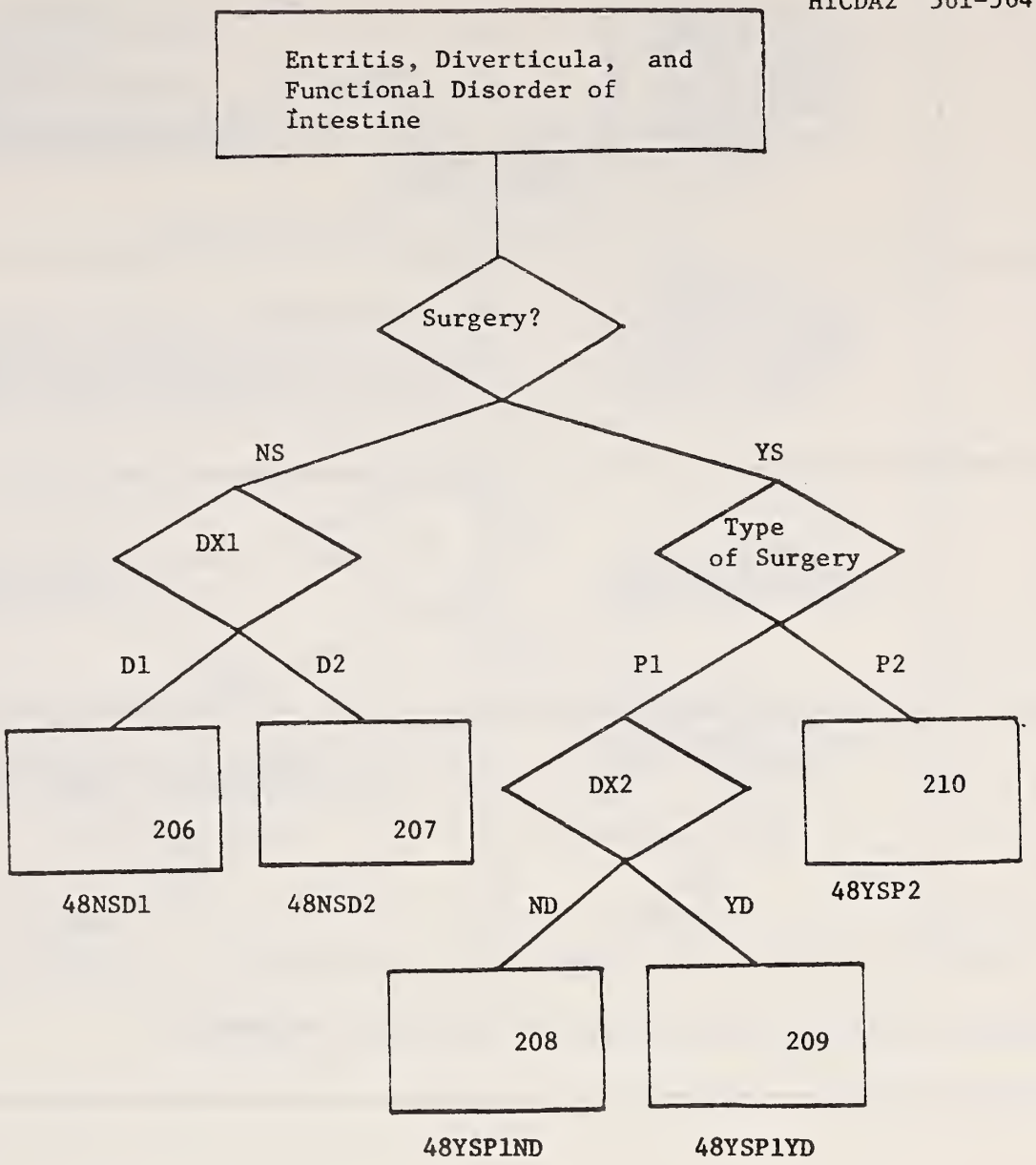
530	UNILAT ING HERNIORRHAPHY
532	BILAT ING HERNIORRHAPHY
534	UMBILICAL HERNIORRHAPHY
923	ESOPHAGOGASTROSCOPY
924	PROCTOSIGMOIDOSCOPY
531	UNILAT ING HERNIA-PROSTH

P2

OPER1

535	ANT ABD HERNIORRHAPH NEC
537	DIAPHRAGM HERNIA REP-ABD
536	ANT ABD HERNIA-PROSTH
925	CYSTOURETHROSCOPY
454	RESECTION OF SMALL BOWEL
542	LAPAROTOMY
538	DIAPHRAGM HERN REP-THOR
545	LYSIS PERITONEAL ADHES
434	EXCISION STOMACH LESION
482	EXCISION RECTAL LESION
539	HERNIORRHAPHY NEC
602	TRANSURETH PROSTATECTOMY

Diagnostic Category 48: ICDA8 561-5649
HICDA 561-5649
HICDA2 561-5649



48 Enteritis, Diverticula, and Functional Disorder of Intestine

ICDA8

D1

DX1

5641 FUNCTIONAL DISORDERS OF INTESTINES-IRRITABLE COLON
5643 FUNCTIONAL DISORDERS OF INTESTINES-CONSTIPATION
5649 FUNCTIONAL DISORDERS OF INTESTINES-OTHER
5610 GASTROENTERITIS AND COLITIS, EXCEPT ULCERATIVE, OF NONIN

D2

DX1

5621 DIVERTICULA OF INTESTINE-COLON
5630 REGIONAL ENTERITIS
5631 ULCERATIVE COLITIS
5639 CHRONIC ENTERITIS AND ULCERATIVE COLITIS-OTHER

P1

OPER1

A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A18 BIOPSY OF STOMACH AND INTESTINES
A44 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
465 CLOSURE OF ARTIFICIAL STOMA, INTESTINE
411 APPENDECTOMY
A49 OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
703 DILATION AND CURETTAGE OF UTERUS

P2

OPER1

475 RESECTION OF COLON, PARTIAL OR SUBTOTAL
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
478 COLOSTOMY
476 RESECTION OF COLON, COMPLETE OR TOTAL
503 PROCTECTOMY
474 RESECTION OF SMALL INTESTINE
472 LOCAL EXCISION AND DESTRUCTION OF LESION OF INTESTINE
A27 BIOPSY OF ACNE
575 DILATION OF URETHRA
470 ENTERCTOMY
493 DIVISION OF PERITONEAL ADHESIONS
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
390 INCISION OF ABDOMINAL WALL AND UMBILICUS

HICDA

D1

DX1

5641 IRRITABLE COLON
5610 NONINF GASTROENTERITIS
5640 CONSTIPATION
5649 FUNCT DISORD INTEST OTH

D2

DX1

5621 DIVERTICULOSIS COLON
5620 DIVERTICULOSIS SM INTES
5639 CHR GASTROENTERITIS NOS
5630 REGIONAL ENTERITIS
5631 ULCERATIVE COLITIS

P1

OPER1

915 NONSURG ENDOSCOPY
916 NONSURG CYSTOSCOPY URET
485 CLOS ARTIFIC STOMA INT
914 NONSURG ESOPHAGOSCOPY
498 BIOPSY INTESTINE COLON
935 INTRAVENOUS PYELOGRAPHY
380 BONE MARROW ASPIRATION
509 REC PERIREC TIS OPER OT
971 PHYSICAL THERAPY
491 APPENDECTOMY

P2

OPER1

470 RESECT COLON SEGMENTAL
478 COLOSTOMY
551 EXPLORATORY LAPAROTOMY
472 LEFT HEMICOLECTOMY
508 BIOP RECTUM PERIRECT TI
473 COMPLETE COLECTOMY
462 LOC EXCIS LG INTEST LES
501 LOC EXCIS RECTAL LESION
481 ANASTOMO SM TO LG INTES
535 CHOLECYSTECTOMY
435 BIOPSY OF ESOPHAGUS
652 PROSTATECTOMY TRANSURET

HICDA2

D1

DX1

5623 DIVERTICULITIS COLON
5641 IRRITABLE BOWEL SYNDROME
5610 NONINFEC GASTROENTERITIS
5640 CONSTIPATION
5649 FUNCT DISORD INTEST NEC

D2

DX1

5621 DIVERTICULOSIS COLON
5630 REGIONAL ENTERITIS
5631 ULCERATIVE COLITIS
5620 DIVERTICULOSIS SM BOWEL
5639 CHR GASTROENTERITIS NEC
5632 GRANULOMATOUS COLITIS
5622 DIVERTICULITIS SM BOWEL

P1

OPER1

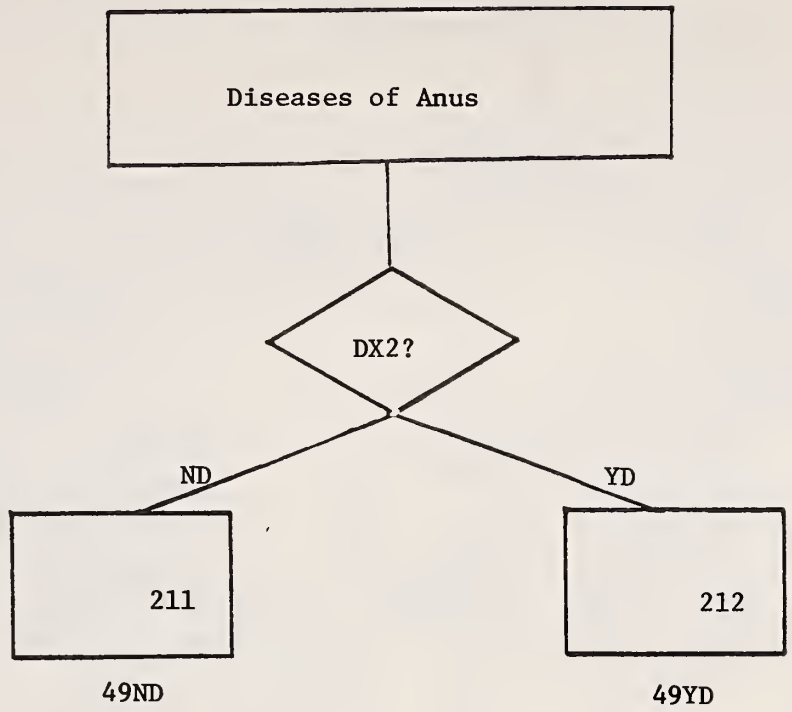
924 PROCTOSIGMOIDOSCOPY
923 ESOPHAGOGASTROSCOPY
925 CYSTOURETHROSCOPY
465 ARTIFICIAL STOMA CLOSURE
470 APPENDECTOMY
885 EXCISION SKIN LESION

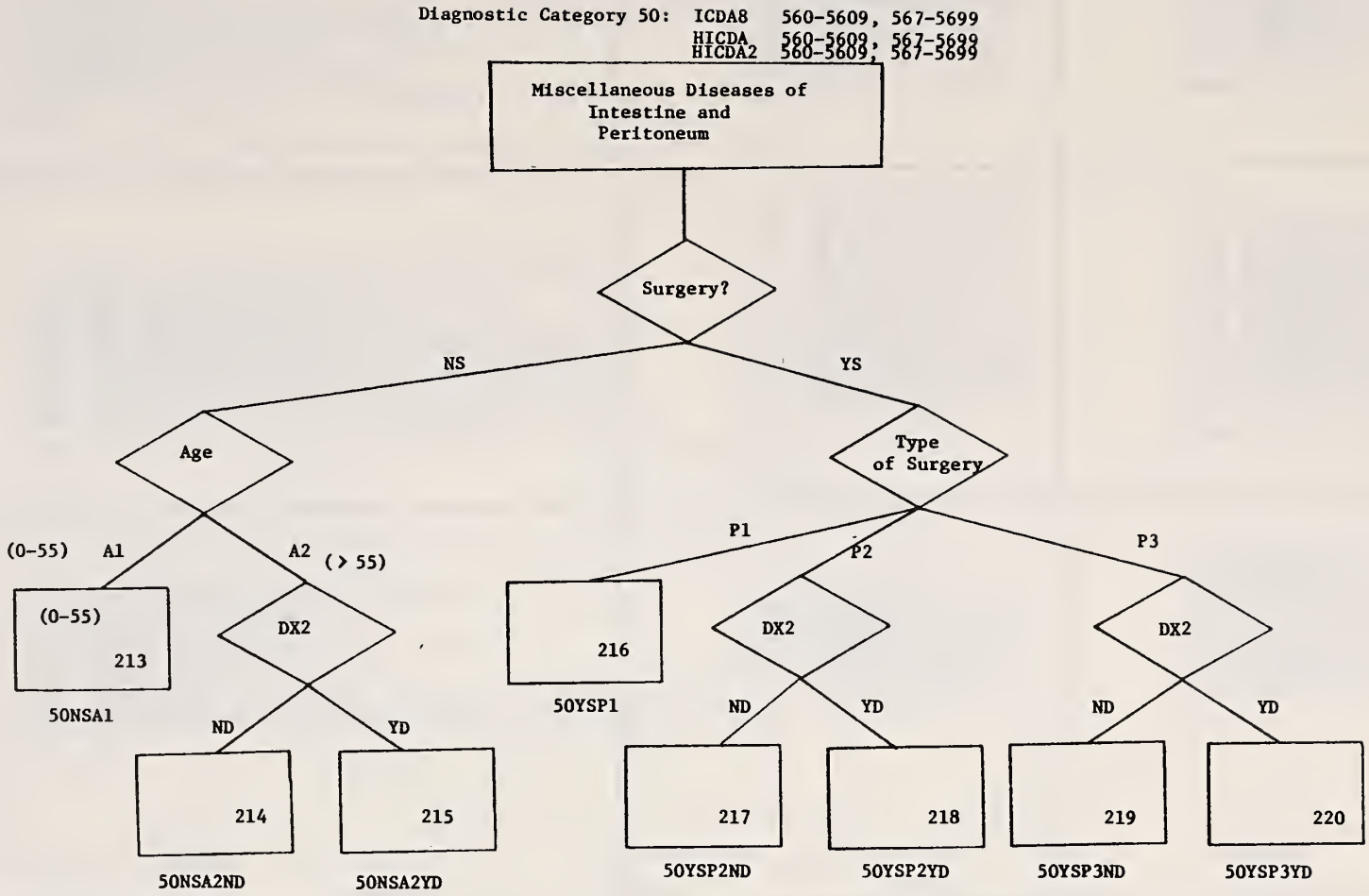
P2

OPER1

455 SUBTOT RESECT-LG BOWEL
542 LAPAROTOMY
461 COLOSTOMY
452 EXCISION LG BOWEL LESION
482 EXCISION RECTAL LESION
456 TOTAL COLECTOMY
454 RESECTION OF SMALL BOWEL
545 LYSIS PERITONEAL ADHES
451 EXCISION SM BOWEL LESION
460 BOWEL EXTERIORIZATION
485 RECTAL RESECTION NEC
484 ABDOMINOPERINEAL RESECT
450 ENTEROTOMY
585 URETHRAL DILATION
434 EXCISION STOMACH LESION

Diagnostic Category 49: ICDA8 565-5660, 685-6850
HICDA 5650-5660, 685-6850
HICDA2 565-5660, 685-6850




Diagnostic Category 50: ICDA8 560-5609, 567-5699
HICDA 560-5609, 567-5699
HICDA2 560-5609, 567-5699
Miscellaneous Diseases of Intestine and Peritoneum
Surgery?
NS
YS
Age
Type of Surgery
(0-55) A1
A2 (> 55)
P1
P2
P3
(0-55) 213
50NSA1
DX2
216
50YSP1
DX2
DX2
ND
YD
ND
YD
ND
YD
214
215
217
218
219
220
50NSA2ND
50NSA2YD
50YSP2ND
50YSP2YD
50YSP3ND
50YSP3YD

50 Miscellaneous Diseases of Intestine and Peritoneum

ICDA8

P1

OPER1

512	LOCAL EXCISION AND DESTRUCTION OF LESION OF ANUS
516	REPAIR AND PLASTIC OPERATION ON ANUS
502	LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM
513	HEMORRHOIDECTOMY
514	DIVISION OF ANAL SPHINCTER
508	MANIPULATION OF RECTUM
501	INCISION OR EXCISION OF PERIRECTAL TISSUE
518	DILATION OF ANAL SPHINCTER
A53	PERITONEOSCOPY
703	DILATION AND CURETTAGE OF UTERUS
510	INCISION OF ANAL FISTULA
889	OTHER OPERATIONS ON MUSCLE, TENDON, FASCIA AND BURSA

P2

OPER1

A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
488	REDUCTION OF INTUSSUSCEPTION AND VOLVULUS
A18	BIOPSY OF STOMACH AND INTESTINES
A40	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
472	LOCAL EXCISION AND DESTRUCTION OF LESION OF INTESTINE
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
395	EXCISION AND DESTRUCTION OF LESION OF ABDOMINAL WALL AN
489	OTHER OPERATIONS ON INTESTINES
509	OTHER OPERATIONS ON RECTUM
A19	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
390	INCISION OF ABDOMINAL WALL AND UMBILICUS
718	INCISION OF PELVIC PERITONEUM FOR DRAINAGE AND FREEING

P3

OPER1

391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
403	DIVISION OF PERITONEAL ADHESIONS
474	RESECTION OF SMALL INTESTINE
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
478	COLOSTOMY
505	REPAIR AND PLASTIC OPERATION ON RECTUM
393	INCISION AND DRAINAGE OF OTHER PERITONEAL ABSCESS OR PE
470	ENTERECTOMY
462	GASTRIC RESECTION, PARTIAL OR SUBTOTAL
411	APPENDECTOMY
46E	VAGOTOMY
A27	BIOPSY OF BONE
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU

HICDA

P1

OPER1

515	PLASTIC / REPAIR OF ANU
512	LOC EXCIS ANAL LESION
513	HEMORRHOIDECTOMY
501	LOC EXCIS RECTAL LESION
511	DIVISION ANAL SPHINCTER
505	MANIPULATION OF RECTUM
508	BIOP RECTUM PERIRECT TI
500	PROCTOTOMY
923	PERITONEOSCOPY
516	DILATION ANAL SPHINCTER

P2

OPER1

915	NONSURG ENDOSCOPY
488	REDU INTUSSUS / VOLVULU
550	INC ABDOM WALL / UMBIL
516	NONSURG CYST)SCOPY URET
574	REP HERN VENT INCISIONA
556	EXCIS ABDOMINAL WALL LE
489	INTESTINE OPERATION OTH
914	NONSURG ESOPHAGOSCOPY
509	REC PERIREC TIS OPER OT
485	CLOS ARTIFIC STOMA INT
554	ABDOMINAL PARACENTESIS
557	EXCIS PERITONEUM LESION
711	ABD HYSTERECTOMY TOTAL
401	LOC EXCIS SM INTEST LES
486	FIXATN OF INTESTINE
734	PLAS REP VAG CYSTOCELE
468	BIOPSY INTESTINE COLON
462	LOC EXCIS LG INTEST LES
480	ANASTOMO SM TO SM INTES

P3

OPER1

551	EXPLORATORY LAPAROTOMY
562	DIVISION PERIT ACHESION
463	RESECTION SMALL INTEST
470	RESECT COLON SEGMENTAL
475	COLOSTOMY
504	PLASTIC / REPAIR RECTUM
464	EXTERIORIZATION INTEST
471	RIGHT HEMICOLECTOMY
460	ENTERECTOMY
483	PLASTIC REP ARTIFIC STOM
479	ENTERCSTOMY OTHER

HICDA2

P1

OPER1

492	EXCISION ANAL LESION
482	EXCISION RECTAL LESION
493	HEMORRHOIDECTOMY
496	ANAL REPAIR & PLASTIC
491	ANAL FISTULA INCIS-EXCIS
488	PERIRECTAL INCIS & EXCIS
497	ANAL SPHINCTER DILATION
494	ANAL SPHINCTER DIVISION
487	RECTAL MANIPULATION
690	O&C
914	LAPAROSCOPY
489	RECTAL & PERIRECT OP NEC
573	TUR EXCISION BLADDER LES

P2

OPER1

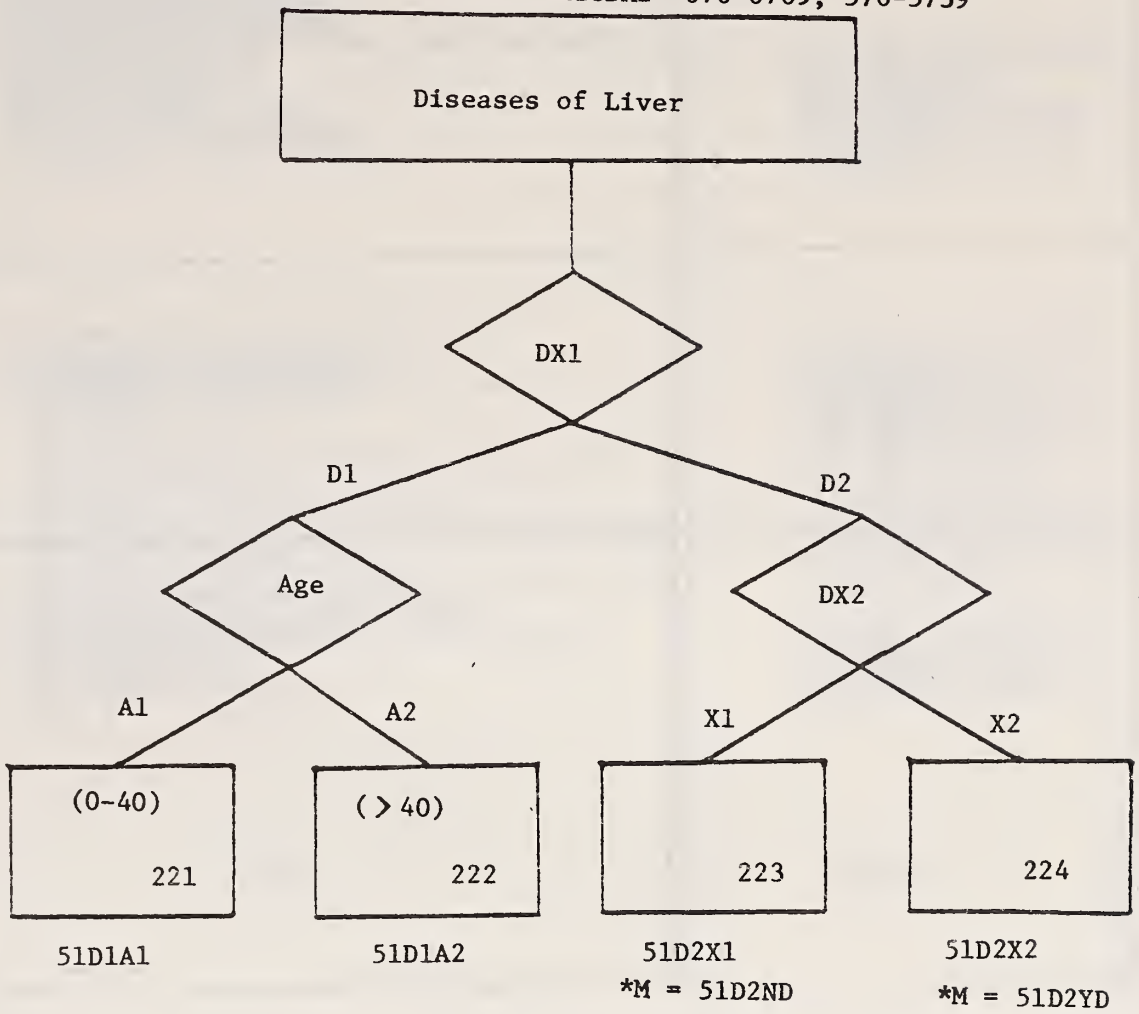
924	PROCTOSIGMOIDOSCOPY
468	INTRA-ABD BOWEL MANIPULA
544	EXCISION PERITONEAL LES
923	ESOPHAGOGASTROSCOPY
452	EXCISION LG BOWEL LESION
541	ABDOMINAL WALL INCISION
543	EXCISION ABD WALL LESION
925	CYSTOURETHROSCOPY
457	SM-TO-SM BOWEL ANASTOMOS
535	ANT ABD HERNIORRHAPH NEC
451	EXCISION SM BOWEL LESION
885	EXCISION SKIN LESION
490	PERIANAL INCIS & EXCIS
532	EXCISION LIVER LESION
921	LARYNGOTRACHEOSCOPY
465	ARTIFICIAL STOMA CLOSURE

P3

OPER1

542	LAPAROTOMY
543	LYSIS PERITONEAL ADHES
455	SUBTOT RESECT-LG BOWEL
454	RESECTION OF SMALL BOWEL
461	COLOSTOMY
470	APPENDECTOMY
486	RECTAL REPAIR & PLASTIC
450	ENTEROTOMY
511	CHOLECYSTECTOMY

Diagnostic Category 51: ICDA8 070-0700, 9992, 570-5739
HICDA 070-0700, 9992, 570-5739, 7921
HICDA2 070-0709, 570-5739



*M = MADOC Group Code

51 Diseases of Liver

ICDA8

D1

dx1

0700 INFECTIOUS HEPATITIS A
5730 HEPATITIS NOS
070 INFECTIOUS HEPATITIS
9992 OTHER COMPLICATIONS OF MEDICAL CARE-SERUM HEPATITIS
570 ACUTE AND SUBACUTE NECROSIS OF LIVER
5700 ACUTE AND SUBACUTE NECROSIS OF LIVER

D2

dx1

5710 CIRRHOSIS OF LIVER-ALCOHOLIC
5719 CIRRHOSIS OF LIVER-UNSPECIFIED
5718 CIRRHOSIS OF LIVER-OTHER SPECIFIED
5739 OTHER DISEASES OF LIVER-OTHER AND UNSPECIFIED

X1

dx2

NO CODE
3039 OTHER AND UNSPECIFIED ALCOHOLISM
401 ESSENTIAL BENIGN HYPERTENSION
5192 -OTHER DISEASES OF LUNG
2894 HYPERSPLENISM
2910 -DELIRIUM TREMENS
5771 CHRONIC PANCREATITIS
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
4010 ESSENTIAL BENIGN HYPERTENSION
3049 DRUG DEPENDENCE-UNSPECIFIED
7886 -PYREXIA OF UNKNOWN ORIGIN
V105 OTHER SURGICAL AFTERCARE
7802 -CONVULSIONS
5750 CHOLECYSTITIS AND CHOLANGITIS, WITHOUT MENTION OF CALCUL
7851 -HEPATOMEGALY

HICDA

D1

Dx1

5700 INFECTIOUS HEPATITIS
5730 INFLAM DIS OF LIVER NOS
5700 NECROSIS LIVER ACUTE
9992 SERUM HEPATITIS JAUNDIC

D2

Dx1

5710 LAENNEC S CIRRHOSIS LVR
5719 CIRRHOSIS LIVER NOS
5739 LIVER DISEASE OTH / UNS
5712 POSTNECROT CIRRHOSIS LV
7921 HEPATIC COMA
5718 CIRRHOSIS LIVER SPEC OT
5711 BILIARY CIRRHOSIS LIVER
5720 SUPP HEPAT LIVER ABSCES

X1

Dx2

NO CODE
3139 ALCOHOLISM OTHER / UNS
5350 GASTRITIS AND DUODENITI
3579 PERIPH NERVE DISEASE NO
5999 URIN TRACT DIS OTH / UN
4010 HYPERTENSION ESSENT BEN
7845 HEMATEMESIS
7851 HEPATOMEGALY
7826 EDEMA AND DROPSY
5112 PLEURAL EFFUSION OTHER

HICDA2

01

dx1

0700 INFECTIOUS HEPATITIS
0701 SERUM HEPATITIS
0709 VIRAL HEPATITIS NEC/NOS
5732 HEPATITIS NEC & NOS
5730 CHRONIC ACTIVE HEPATITIS
5700 ACUTE NECROSIS OF LIVER
5731 TOXIC HEPATITIS

02

dx1

5710 LAENNEC'S CIRRHOSIS
5719 CIRRHOSIS OF LIVER NOS
5739 LIVER DISEASE NEC & NOS
5712 POSTNECROTIC CIRRHOSIS
5734 HEPATIC ENCEPHALOPATHY
5711 BILIARY CIRRHOSIS
5720 SUPPURATIVE HEPATITIS
5735 HEPATIC FAILURE NEC/NOS

X1

dx2

NO CODE
4583 PORTAL HYPERTENSION
4010 BENIGN HYPERTENSION
7815 HEMATEMESIS
7802 HEPATOMEGALY
7820 GI BLEEDING NEC
4960 CHR OBSTRUCTIVE LUNG DIS
5515 HIATAL HERNIA
5740 GALLBLADDER CALCULUS
5995 URIN TRACT INFECTION NOS
3139 ALCOHOLISM NEC & NOS
4279 CONGESTIVE HEART FAILURE

51 Diseases of Liver
(Cont'd)

ICDA8

X2

dx2

5739 OTHER DISEASES OF LIVER-OTHER AND UNSPECIFIED
4560 VARICOSE VEINS-OF ESOPHAGUS
3032 ALCOHOLIC ADDICTION
7855 -ASCITES
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
5699 OTHER DISEASES OF INTESTINES AND PERITONEUM-OTHER
2859 ANEMIA, UNSPECIFIED
5718 CIRRHOSIS OF LIVER-OTHER SPECIFIED
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
5710 CIRRHOSIS OF LIVER-ALCOHOLIC
7880 -ELECTROLYTE DISORDERS
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
5719 CIRRHOSIS OF LIVER-UNSPECIFIED
2810 OTHER AND UNSPECIFIED DEFICIENCY ANEMIA
7852 -JAUNDICE (NOT OF NEWBORN)
2800 IRON DEFICIENCY ANEMIAS

HICDA

X2

CX2

3132 ALCOHOLISM ADDICTION
7921 HEPATIC COMA
7855 ASCITES
5719 CIRRHOSIS LIVER NOS
5710 LAENNEC S CIRRHOSIS LVR
2500 DIABETES MELLITUS UNCOM
4920 PULMONARY EMPHYSEMA
2859 ANEMIA UNSPECIFIED
4561 VARIC VEIN ESOPH W ULCE
4270 CONGESTIVE HEART FAILUR
5739 LIVER DISEASE OTH / UNS
4583 PORTAL HYPERTENSION
4560 VARIC VEIN ESOPH WO ULC
4860 PNEUMONIA ORG / TYPE NO
7852 JAUNDICE NOT OF NEWBORN
7857 GI TRACT HEMORRHAGE NOS
7130 OSTEOARTHRITIS
5932 RENAL DISEASE OTHER
5769 GB BILE DUCT DTH / UNS
2809 IRON DEFICIEN ANEMIA NU
2819 DEFIC ANEMIA OTH / UNS
4129 CHR HT DIS OTHER / UNS
5320 DUOD ULCER WO PERF WO B
5759 CHOLECYST / CHOLANG NOS
5718 CIRRHOSIS LIVER SPEC OT

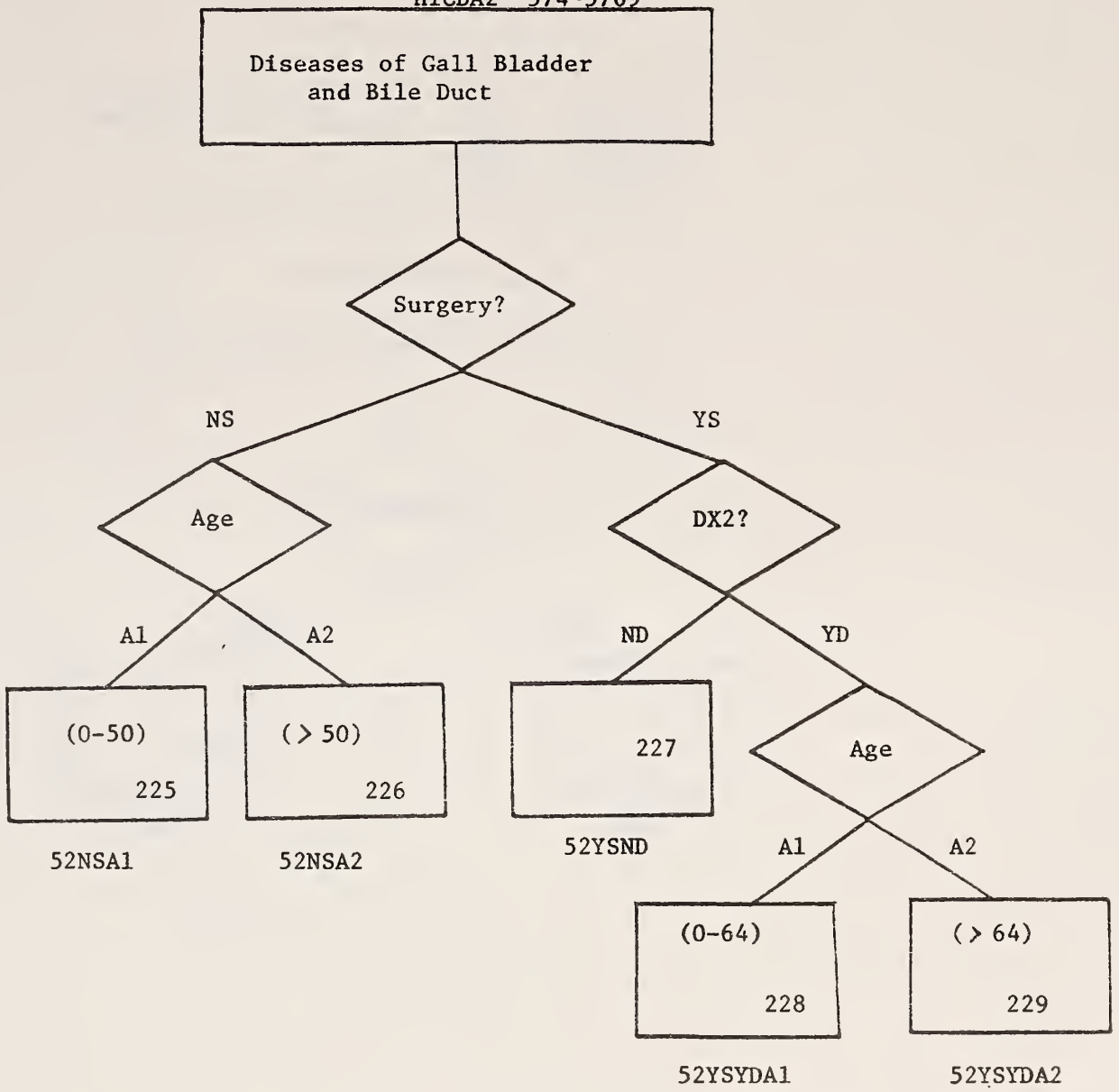
HICDA2

X2

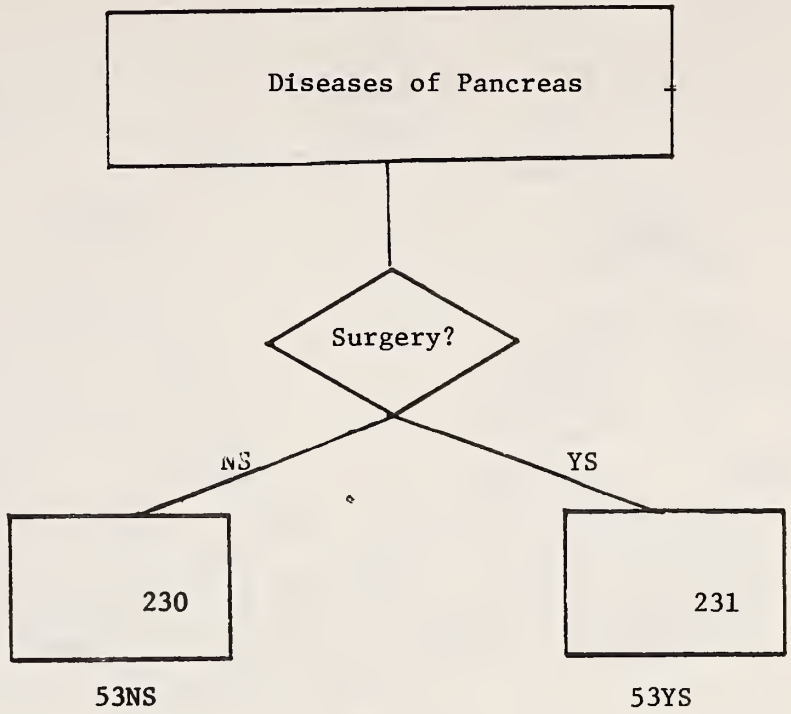
dx2

3132 ALCOHOLIC ADDICTION
7807 ASCITES
2500 DIAB MEL ADULT ONSET NDS
5734 HEPATIC ENCEPHALOPATHY
4129 CHR ISCHEMIC HRT DIS NEC
4560 ESOPHAGEAL VARICOSITY
2859 ANEMIA NOS
5710 LAENNEC'S CIRRHOSIS
5719 CIRRHOSIS OF LIVER NOS
5735 HEPATIC FAILURE NEC/NOS
2809 IRON DEFICIEN ANEMIA NEC
5739 LIVER DISEASE NEC & NOS
4561 BLEEDING ESOPH VARICES
5350 GASTRITIS/DUODENITIS NOS
2819 DEFIC ANEMIA NEC & NOS
7828 JAUNDICE
2812 FOLIC ACID DEFIC ANEMIA
5712 POSTNECROTIC CIRRHOSIS
7902 DEHYDRATION NEC
5770 ACUTE PANCREATITIS

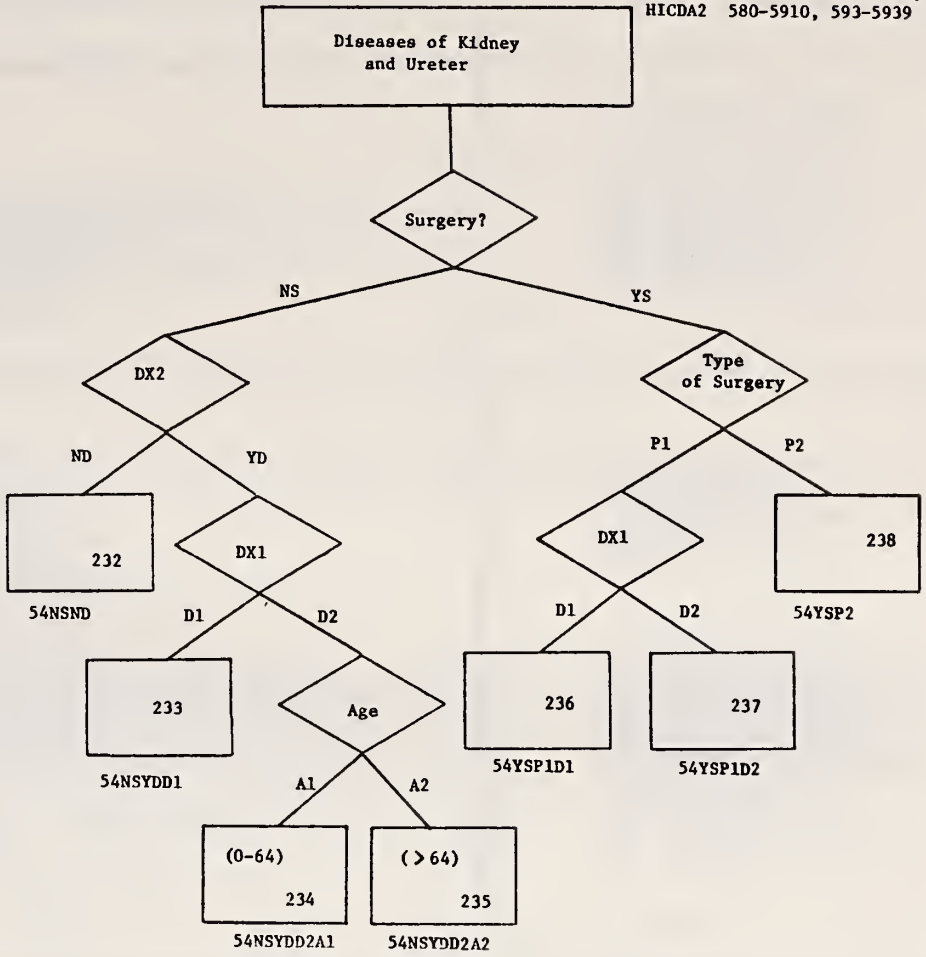
Diagnostic Category 52: ICDA8 574-5769
HICDA 574-5769
HICDA2 574-5769



Diagnostic Category 53: ICDA8 577-5779
HICDA 5770-5779
HICDA2 577-5779



Diagnostic Category 54: ICDA8 580-5910, 593-5935, 792-7920
HICDA 580-5910, 593-5935, 7920
HICDA2 580-5910, 593-5939



54 Diseases of Kidney and Ureter

ICDA8

D1

DX1

5931 -OTHER PYELONEPHRITIS, PYELITIS, AND PYELOCYSTITIS
5830 NEPHRITIS, UNQUALIFIED
583 NEPHRITIS, UNQUALIFIED
5935 -OTHER DISEASES OF URETER
5840 RENAL SCLEROSIS, UNQUALIFIED

D2

DX1

5932 -OTHER RENAL DISEASE
582 CHRONIC NEPHRITIS
5820 CHRONIC NEPHRITIS
5990 -CHRONIC PYELONEPHRITIS
792 UREMIA
581 NEPHROTIC SYNDROME
5910 HYDRONEPHROSIS
5933 -OBSTRUCTION OF URETER, NOT ELSEWHERE CLASSIFIED
7920 UREMIA
5810 NEPHROTIC SYNDROME
591 HYDRONEPHROSIS

P1

OPER1

A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A20 BIOPSY OF ADRENAL GLAND, KIDNEY AND PERIRENAL TISSUE
575 DILATION OF URETHRA
248 ANASTOMOSIS AND OTHER REPAIR OF PERIPHERAL VESSELS
557 PASSAGE OF CATHETER TO KIDNEY
247 RECONSTRUCTION OF PERIPHERAL ARTERY BY BLOOD VESSEL GRA
240 INCISION OF PERIPHERAL VESSELS
445 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU

P101

DX1

5931 -OTHER PYELONEPHRITIS, PYELITIS, AND PYELOCYSTITIS
5935 -OTHER DISEASES OF URETER
583 NEPHRITIS, UNQUALIFIED
5830 NEPHRITIS, UNQUALIFIED
5934 -HYDROURETER
5840 RENAL SCLEROSIS, UNQUALIFIED

HICDA

D1

DX1

5931 PYELITIS
5830 NEPHRITIS NOS
5935 URETER DISEASE OTHER

D2

DX1

5932 RENAL DISEASE OTHER
5820 CHRONIC NEPHRITIS
7920 UREMIA
5900 CHR / UNS PYELONEPHRITI
5800 ACUTE NEPHRITIS
5933 OBSTRUCTION OF URETER
5910 HYDRONEPHROSIS
5810 NEPHROTIC SYNDROME

P1

OPER1

916 NONSURG CYSTOSCOPY URET
660 NEPHRECTOMY
609 KIDNEY OPERATION OTHER
617 URETERAL CATHETERIZATIO
366 ARTERIOVEN FIST PERI OP
647 DILATATION OF URETHRA
915 NONSURG ENDOSCOPY
649 URETHRAL OPERATION OTHE
626 REM BLAD CALCULUS NO IN
024 REVIS OF VENTRIC SHUNT
914 NONSURG ESOPHAGOSCOPY
619 URETER OPERATION OTHER
367 GRAFT RECONST PERIPH AR
890 INC SKIN SUBCUTAN TISSU

P101

DX1

5932 RENAL DISEASE OTHER
5901 PYELITIS
5933 OBSTRUCTION OF URETER
5935 URETER DISEASE OTHER

HICDA2

D1

DX1

5901 ACUTE PYELONEPHRITIS
5830 GLOMERULONEPHRITIS NOS
5936 HYDROURETER
5937 VESICO-URETERAL REFLUX

D2

DX1

5852 CHRONIC RENAL FAILURE
5902 PYELONEPHRITIS NOS
5900 CHRONIC PYELONEPHRITIS
5859 RENAL FAILURE NOS
5820 CHR GLOMERULONEPHRITIS
5935 RENAL DISEASE NEC
5810 NEPHROTIC SYNDROME
5851 ACUTE RENAL FAILURE NEC
5869 FUNCT RENAL DISORDER NEC
5934 SOLITARY CYST OF KIDNEY
5910 HYDRONEPHROSIS
5936 URETERAL OBSTRUCTION

P1

OPER1

925 CYSTOURETHROSCOPY
585 URETHRAL DILATION
598 URETERAL CATHETERIZATION
550 PERCUTANEOUS RENAL PUNCT
924 PROCTOSIGMOIDOSCOPY
885 EXCISION SKIN LESION
584 URETHPOLYSIS

P101

DX1

5901 ACUTE PYELONEPHRITIS
5936 URETERAL OBSTRUCTION
5937 VESICO-URETERAL REFLUX
5939 URETERAL DISEASE NEC
5830 GLOMERULONEPHRITIS NOS
5938 HYDROURETER
5933 NEPHROPTOSIS

54 Diseases of Kidney and Ureter
(Cont'd)

ICDA8

P1D2

DX1

5932 -OTHER RENAL DISEASE
5933 -OBSTRUCTION OF URETER, NOT ELSEWHERE CLASSIFIED
582 CHRONIC NEPHRITIS
5820 CHRONIC NEPHRITIS
581 NEPHROTIC SYNDROME
5990 -CHRONIC PYELONEPHRITIS
591 HYDRONEPHROSIS
5910 HYDRONEPHROSIS
5810 NEPHROTIC SYNDROME
5800 ACUTE NEPHRITIS
792 UREMIA

P2

OPER1

547 KIDNEY TRANSPLANT
545 NEPHRECTOMY, COMPLETE
544 NEPHRECTOMY, PARTIAL
546 REPAIR AND PLASTIC OPERATIONS ON KIDNEY
555 ANASTOMOSIS OF URETER
540 NEPHROTOMY
249 OTHER OPERATIONS ON PERIPHERAL VESSELS
543 LOCAL EXCISION AND DESTRUCTION OF LESION OF KIDNEY
427 BIOPSY OF BONE
550 URETEROTOMY
556 REPAIR AND PLASTIC OPERATIONS ON URETER
541 PYELOTOMY
560 CYSTOTOMY
552 URETEROSTOMY, CUTANEOUS OR EXTERNAL
246 OPERATIONS ON ARTERIOVENOUS FISTULA, PERIPHERAL
582 PROSTATECTOMY, TRANSURETHRAL
538 **URETEROLYSIS**
551 **URETERECTOMY**
024 **REVISION OR REMOVAL OF SHUNT**

HICDA

P1D2

DX1

5820 CHRONIC NEPHRITIS
5900 CHR / UNS PYELONEPHRITI
7920 UREMIA
5910 HYDRONEPHROSIS
5810 NEPHROTIC SYNDROME
5800 ACUTE NEPHRITIS
5902 ABCESS KID PERIRENAL TI
5931 ACUTE TUBULAR NEPHROSIS

P2

OPER1

369 PERIPHERAL VES OPER OTH
607 KIDNEY TRANSPLANT
994 KIDNEY DIALYSIS
604 COMPLETE NEPHRECTOMY
608 OTHER KIDNEY PERIREN TIS
938 RETROGRADE PYELOGRAPHY
935 INTRAVENOUS PYELOGRAPHY
615 ANASTOMOSIS OF URETER
563 PERITONEAL DIALYSIS
605 PLASTIC / REPAIR KIDNEY
652 PROSTATECTOMY TRANSURET
955 ARTERIOGRAPHY OTHER
261 THORACENTESIS
610 URETEROTOMY
603 PARTIAL NEPHRECTOMY
382 SPLENECTOMY
602 LOC EXCIS KIDNEY LESION
380 BONE MARROW ASPIRATION
601 PYELOTOMY

HICDA2

P1D2

DX1

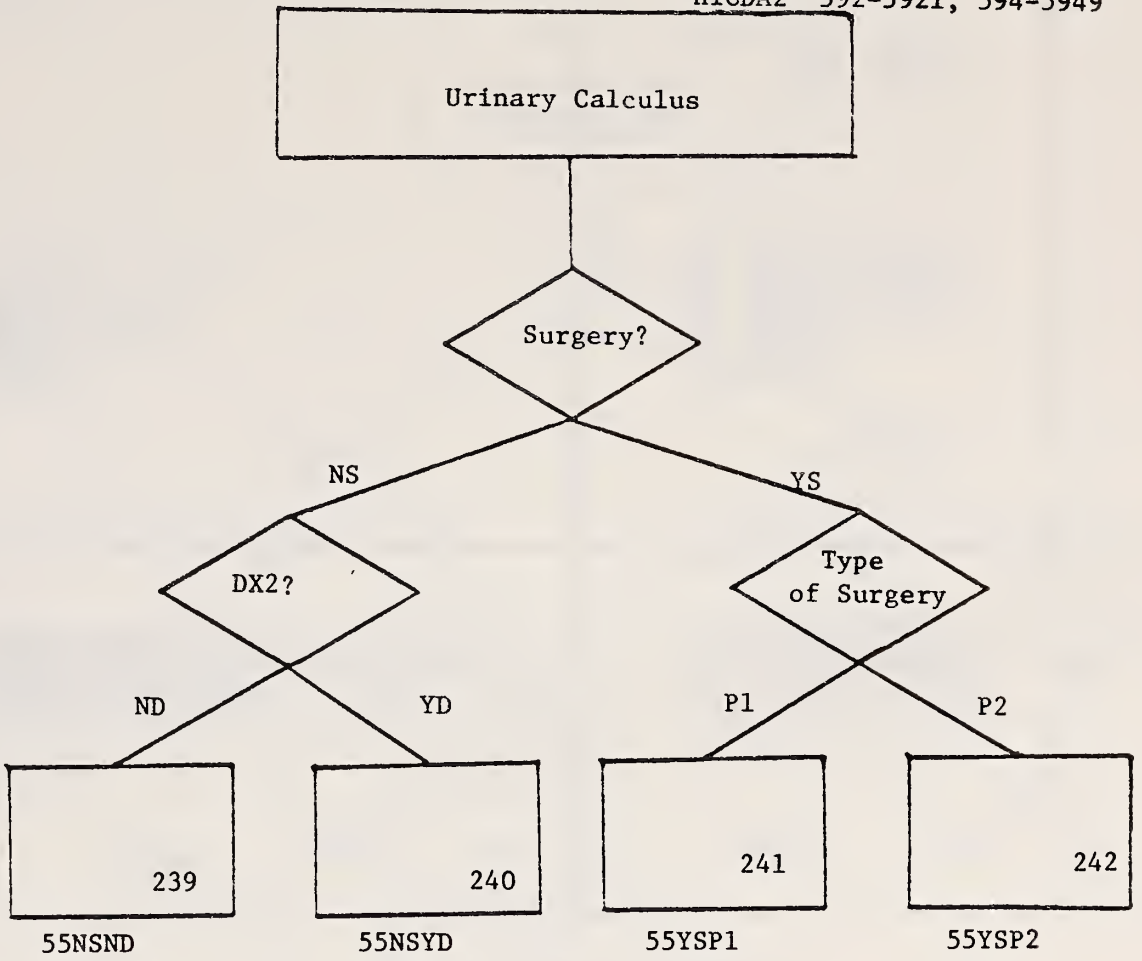
5852 CHRONIC RENAL FAILURE
5902 PYELONEPHRITIS NOS
5900 CHRONIC PYELONEPHRITIS
5910 HYDRONEPHROSIS
5659 RENAL FAILURE NOS
5934 SOLITARY CYST OF KIDNEY
5935 RENAL DISEASE NEC
5810 NEPHROTIC SYNDROME
5820 CHR GLOMERULONEPHRITIS
5851 ACUTE RENAL FAILURE NEC
5869 FUNCT RENAL DISORDER NEC

P2

OPER1

555 TOTAL NEPHRECTOMY
553 EXCISION RENAL LESION
567 URETERAL ANASTOMOSIS NEC
556 KIDNEY TRANSPLANT
558 RENAL REPAIR-PLASTIC NEC
554 PARTIAL NEPHRECTOMY
551 NEPHROTOMY & NEPHROSTOMY
394 PREV VESSEL OP REVISION
380 ANGIOTOMY
568 URETERORRHAPHY
602 TRANSURETH PROSTATECTOMY
552 PYELOTOMY & PYELOSTOMY
572 CYSTOSTOMY
562 URETEROTOMY
399 VESSEL OPERATION NEC
573 TUR EXCISION BLADDER LES

Diagnostic Category 55: ICDA8 592-5920, 594-5940
HICDA 5920-5921, 5940-5949
HICDA2 592-5921, 594-5949



55 Urinary Calculus

ICDA8

P1

OPER1	
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
557	PASSAGE OF CATHETER TO KIDNEY
575	DILATION OF URETHRA
568	REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INC
582	REPAIR OF INGUINAL HERNIA EXCEPT RECURRENT
559	OTHER OPERATIONS ON URETER
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU

P2

OPER1	
550	URETEROTOMY
541	PYELOTOMY
560	CYSTOTOMY
540	NEPHROTOMY
570	URETHROTOMY, EXTERNAL
544	NEPHRECTOMY, PARTIAL
545	NEPHRECTOMY, COMPLETE
558	URETEROLYSIS
582	PROSTATECTOMY, TRANSURETHRAL

HICDA

P1

OPER1	
916	NONSURG CYSTOSCOPY URET
617	URETERAL CATHETERIZATIO
626	REM BLAD CALCULUS NO IN
935	INTRAVENOUS PYELOGRAPHY
93e	RETROGRADE PYELOGRAPHY
915	NONSURG ENDOSCOPY
647	DILATATION OF URETHRA

P2

OPER1	
610	URETEROTOMY
601	PYELOTOMY
620	CYSTOTOMY
600	NEPHROTOMY
652	PROSTATECTOMY TRANSURET
604	COMPLETE NEPHRECTOMY
640	URETHROTOMY EXTERNAL
622	TRANSURETH EXC BLAD LES
651	PROSTATECTOMY SUPRAPUBI
609	KIDNEY OPERATION OTHER
914	NONSURG ESOPHAGOSCOPY

HICDA2

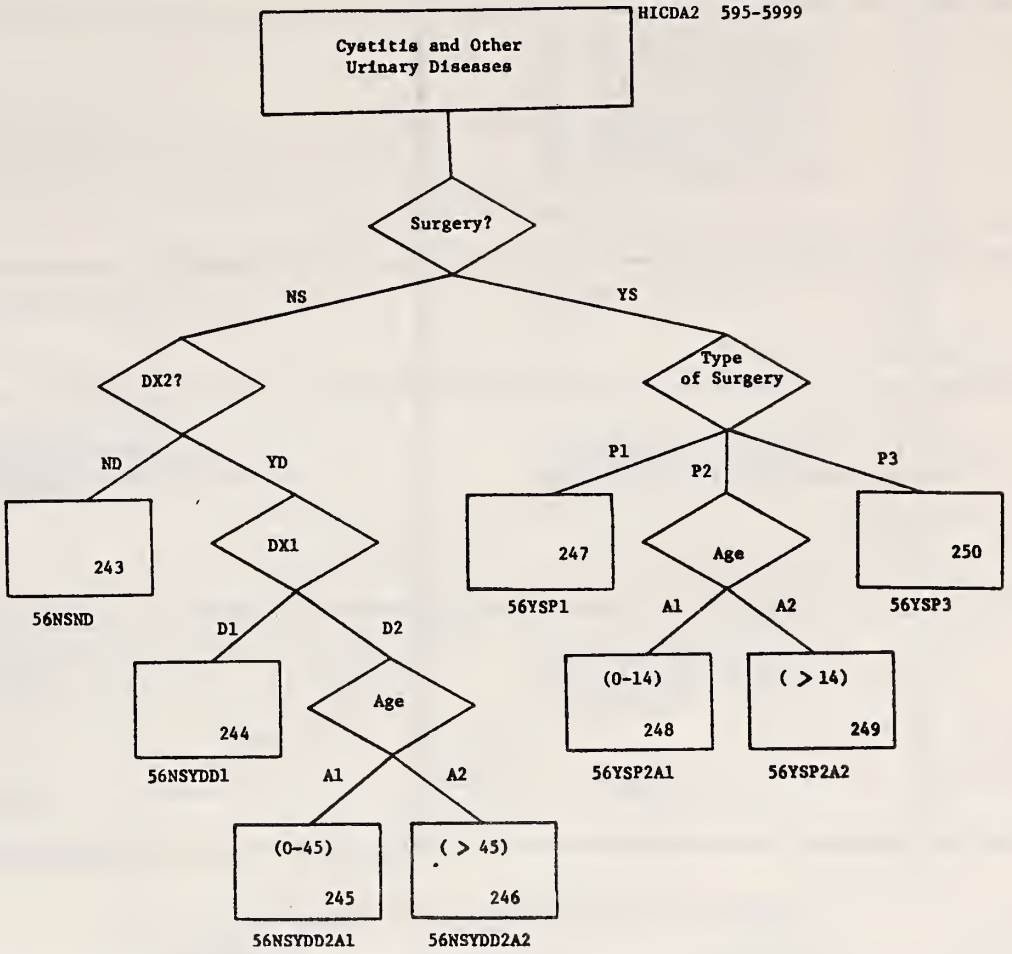
P1

OPER1	
925	CYSTOURETHROSCOPY
560	TUR FR REMOVAL FR URETER
598	URETERAL CATHETERIZATION
570	TUR FR REMOVAL-BLADDER
585	URETHRAL DILATION
573	TUP EXCISION BLADDER LES
561	URETERAL MEATOTOMY
924	PROCTOSIGMOIDOSCOPY

P2

OPER1	
562	URETEROTOMY
552	PYELOTOMY & PYELOSTOMY
551	NEPHROTOMY & NEPHROSTOMY
571	CYSTOTOMY
555	TOTAL NEPHRECTOMY
554	PARTIAL NEPHRECTOMY
602	TRANSURETH PROSTATECTOMY
580	EXTERNAL URETHROTOMY
568	URETERORRHAPHY

Diagnostic Category 56: ICDA8 595-5999
HICDA 595-5999
HICDA2 595-5999



56 Cystitis and Other Urinary Diseases

ICDA8

D1

DX1

5950 CYSTITIS
5980 STRICTURE OF URETHRA
595 CYSTITIS
598 STRICTURE OF URETHRA
5962 CONTRACTURE OF BLADDER (SPHINCTER)
5970 URETHRITIS (NONVENEREAL)
597 URETHRITIS (NONVENEREAL)

D2

DX1

5990 URINARY TRACT INFECTION NEC
5969 OTHER AND UNSPECIFIED DISEASES OF BLADDER
5999 OTHER AND UNSPECIFIED DISEASES OF URINARY TRACT
599 OTHER DISEASES OF URINARY TRACT
5961 DIVERTICULUM OF BLADDER (ACQUIRED)

P1

OPER1

571 MEATOTOMY
725 REPAIR AND PLASTIC OPERATIONS ON VULVA AND PERINEUM

P2

OPER1

446 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
573 DILATION OF URETHRA
574 REPAIR AND PLASTIC OPERATIONS ON URETHRA
572 EXCISION OR DESTRUCTION OF LESION OF URETHRA
561 LOCAL EXCISION AND DESTRUCTION LESION OF BLADDER, TRANS
579 OTHER OPERATIONS ON URETHRA
557 PASSAGE OF CATHETER TO KIDNEY
A21 BIOPSY (CONTINUED)OF URINARY TRACT

P3

OPER1

582 PROSTATECTOMY, TRANSURETHRAL
560 CYSTOTOMY
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
566 REPAIR AND OTHER PLASTIC OPERATIONS ON BLADDER
555 ANASTOMOSIS OF URETER
568 REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INC
552 URETEROSTOMY, CUTANEOUS OR EXTERNAL
303 CYSTECTOMY, COMPLETE OR PARTIAL
711 LOCAL EXCISION AND DESTRUCTION OF LESION OF VAGINA
544 NEPHRECTOMY, PARTIAL
713 COLPORRHAPHY
553 URETERO-ENTEROSTOMY
558 URETEROLYSIS
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
565 RECONSTRUCTION OPERATION ON BLADDER

HICDA

D1

DX1

5950 CYSTITIS
5980 STRICTURE OF URETHRA
5962 CONTRACTURE OF BLADDER
5970 URETHRITIS NONVENEREAL
5965 ATONY OF BLADDER

D2

DX1

5999 URIN TRACT DIS OTH / UN
5966 NEUROGENIC BLADDER NOS
5969 BLADDER DIS OTHER / UNS
5990 PERIURETHRAL INFECTION
5993 URETHRA DIS OTH / UNSPE

P1

OPER1

941 MEATOTOMY URETHRAL
232 TONSILLECTOMY W ADENOID

P2

OPER1

916 NONSURG CYSTOSCOPY URET
649 URETHRAL OPERATION OTHE
647 DILATATION OF URETHRA
622 TRANSURETH EXC BLAD LES
642 EXCIS URETHRAL LESION
936 RETROGRADE PYELOGRAPHY
935 INTRAVENOUS PYELOGRAPHY
644 PLASTIC / REPAIR URETHR
640 URETHROTOMY EXTERNAL
628 BIOPSY BLAD PERIVES TIS
623 LOC EXCIS URIN BLAD LES
629 BLADDER OPERATIONS OTHE
610 URETEROTOMY

P3

OPER1

652 PROSTATECTOMY TRANSURET
620 CYSTOTOMY
651 PROSTATECTOMY SUPRAPUBI
621 CYSTOSTOMY
915 NONSURG ENDOSCOPY
634 PLAS REP OF BLADDER OTH
615 ANASTOMOSIS OF URETER
624 PARTIAL CYSTECTOMY
910 PLASTIC / REP OF URETER
734 PLAS REP VAG CYSTOCELE
637 PLAS URETHROVES SUS OTH
655 PROSTATECTOMY OTHER
613 UPETEROSTOMY CUTAN EXT
380 BONE MARROW ASPIRATION
645 CONSTRUCTION OF URETHRA
475 COLOSTOMY

HICDA2

D1

DX1

5959 CYSTITIS NOS
5950 ACUTE CYSTITIS
5951 CHRONIC CYSTITIS
5989 URETHRAL STRICTURE NEC
5973 NONVENEREAL URETHRITIS
5962 CONTRACTURE OF BLADDER
5930 URETHR STRICT FROM INFEC
5952 TRIGONITIS

D2

DX1

5995 URIN TRACT INFECTION NOS
5966 NEUROGENIC BLADDER NEC
5999 URINARY DISEASE NEC/NOS
5996 OBSTRUCTIVE UROPATHY NOS
5990 PERIURETHRAL INFECTION
5965 ATONY OF BLADDER

P1

OPER1

581 URETHRAL MEATOTOMY

P2

OPER1

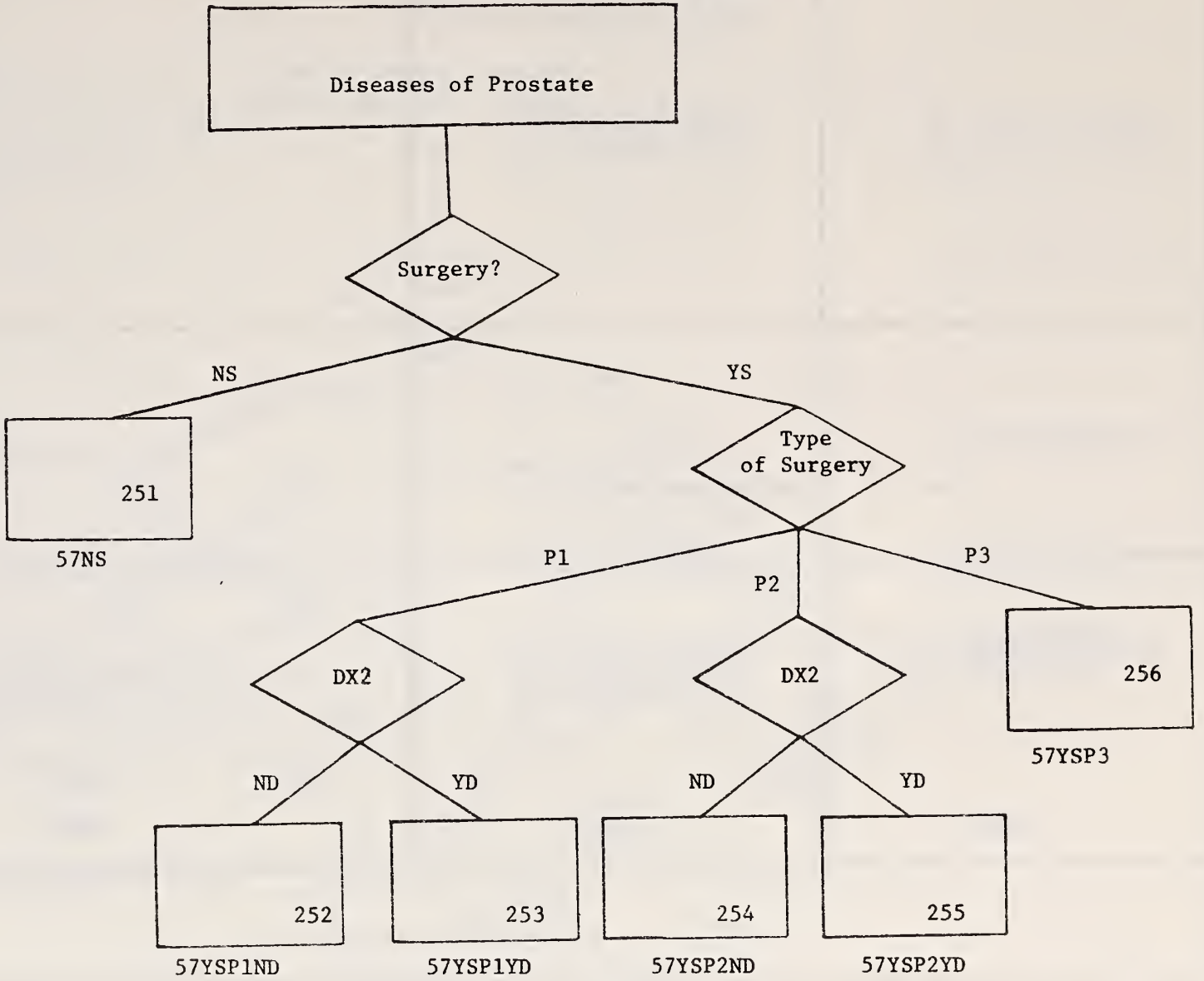
925 CYSTOURETHROSCOPY
585 URETHRAL DILATION
584 URETHROLYSIS
573 TUR EXCISION BLADDER LES
582 EXCISION URETHRAL LESION
583 URETHROPLASTY
574 EXCISION BLADDER LES NEC

P3

OPER1

602 TRANSURETH PROSTATECTOMY
572 CYSTOSTOMY
924 PROCTOSIGMOIDOSCOPY
571 CYSTOTOMY
578 PLAST REPAIR BLADDER NEC
570 TUR FB REMOVAL-BLADDER
702 EXCISION VAGINAL LESION
706 VAGINAL REPAIR-PLAS NEC
511 CHOLECYSTECTOMY
564 URETERO-ILEAL CONDUIT
704 CYSTORECTOCELE REPAIR
575 PARTIAL CYSTECTOMY
576 TOTAL CYSTECTOMY
568 URETERORRHAPHY

Diagnostic Category 57: ICDA8 600-6020
HICDA 600-6029
HICDA2 2222, 600-6029



57 Diseases of Prostate

ICDA8

P1

OPER1

446 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
575 DILATION OF URETHRA
422 BIOPSY OF MALE GENITAL ORGANS
561 LOCAL EXCISION AND DESTRUCTION LESION OF BLADDER, TRANS
557 PASSAGE OF CATHETER TO KIDNEY

P2

OPER1

502 PROSTATECTOMY, TRANSURETHRAL
503 PROSTATECTOMY, OTHER
503 CYSTOTOMY

P3

OPER1

581 PROSTATECTOMY, SUPRAPUBIC

HICDA

P1

OPER1

916 NONSURG CYSTOSCOPY URET
658 BIOP PROST PERIPROST TI
622 TRANSURETH EXC GLAD LES
647 DILATATION OF URETHRA
649 URETHRAL OPERATION OTHE
617 URETERAL CATHETERIZATIO

P2

OPER1

652 PROSTATECTOMY TRANSURET

P3

OPER1

651 PROSTATECTOMY SUPRAPUBI
655 PROSTATECTOMY OTHER
570 REP HERN INGUIN NONRECU
653 PROSTATECTOMY PERINEAL
625 COMPLETE CYSTECTOMY

HICDA2

P1

OPER1

925 CYSTOURETHROSCOPY
585 URETHRAL DILATION
600 PERCUTAN PROSTATIC PUNCT
573 TUR EXCISION BLADDER LES
581 URETHRAL MEATOTOMY

P2

OPER1

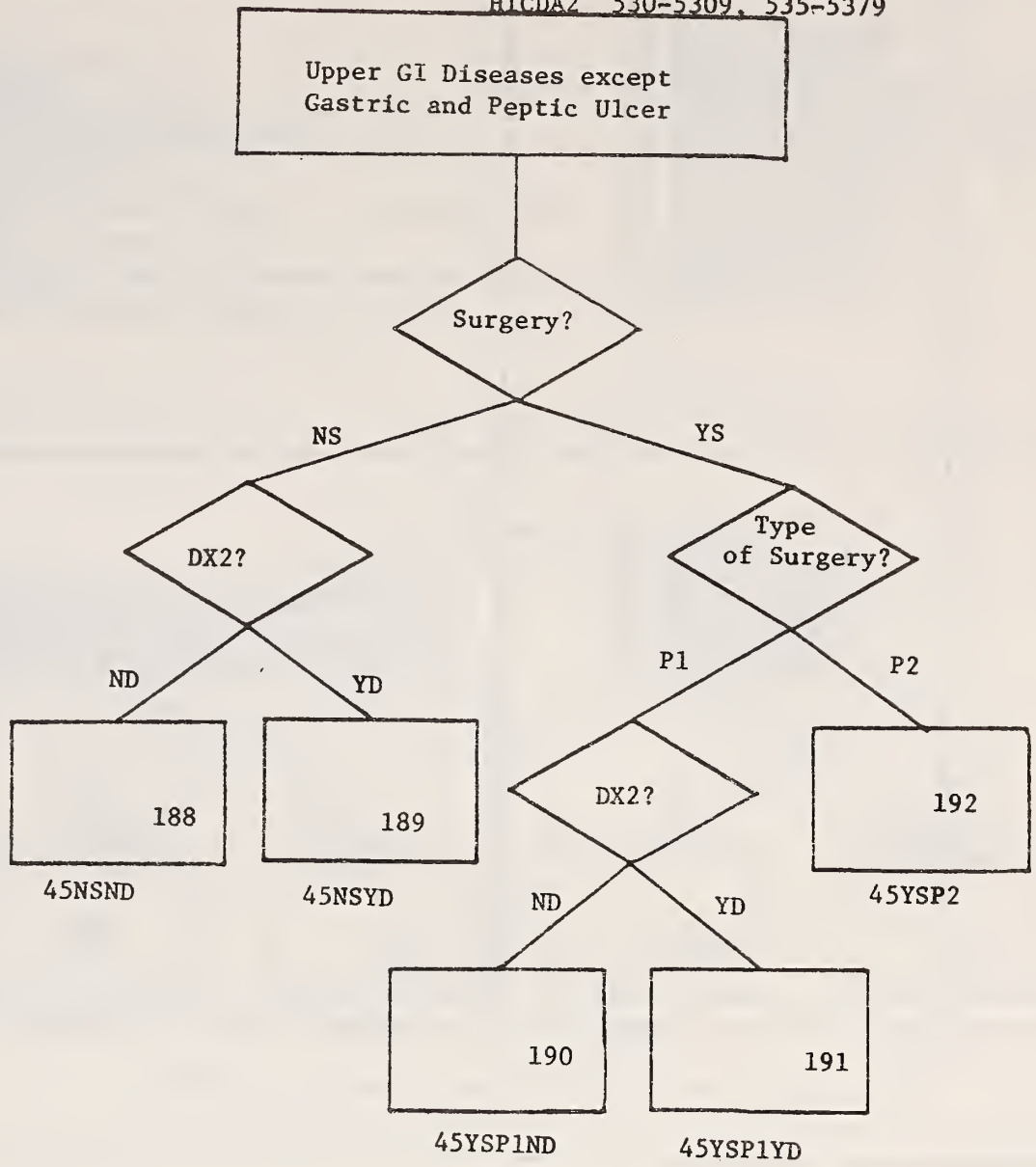
602 TRANSURETH PROSTATECTOMY
606 PROSTATECTOMY NEC

P3

OPER1

603 SUPRAPUBIC PROSTATECTOMY
604 RETROPUBIC PROSTATECTOMY

Diagnostic Category 45: ICDA8 530-5309, 535-5379
HICDA 5270-5309, 535-5379
HICDA2 530-5309, 535-5379



45 Upper GI Diseases Except Gastric and Peptic Ulcer

ICDA8

P1

OPER1	
A44	ESOPHAGOSCOPY AND GASTROSCOPY, WITHOUT EFFECT UPON TISSU
357	DILATION OF ESOPHAGUS
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
A19	BIOPSY OF STOMACH AND INTESTINES
461	PYLOROPLASTY AND OTHER DRAINAGE PROCEDURES
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU

P2

OPER1	
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
462	GASTRIC RESECTION, PARTIAL OR SUBTOTAL
A16	BIOPSY OF THORAX
351	LOCAL EXCISION AND DESTRUCTION OF LESION OF ESOPHAGUS
350	ESOPHAGOTOMY
356	REPAIR AND PLASTIC OPERATIONS ON ESOPHAGUS
465	ANASTOMOSIS OF STOMACH
468	VAGOTOMY
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
466	REPAIR AND PLASTY OF STOMACH
513	HEMORRHOIDECTOMY
352	RESECTION OF ESOPHAGUS
480	ANASTOMOSIS, SMALL TO SMALL INTESTINE
403	DIVISION OF PERITONEAL ADHESIONS
A59	OTHER ENDOSCOPY WITH SURGICAL APPROACH
502	LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM
451	SPLENECTOMY
582	PROSTATECTOMY, TRANSURETHRAL
321	THORACENTESIS
575	DILATION OF URETHRA
464	GASTROSTOMY

HICDA

P1

OPER1	
914	NONSURG ESOPHAGOSCOPY
439	ESOPHAGEAL OPERATION OT
448	BIOPSY OF STOMACH
415	NONSURG ENDOSCOPY
438	BIOPSY OF ESOPHAGUS
916	NONSURG CYSTOSCOPY URET
423	EXCIS LES SAL GLAND OTH
891	LOC EXC SKIN SUBCUT LES
425	EXCIS SALIVARY GLAND OT
419	EXCIS LESION OF MOUTH
455	PYLOROPLASTY
236	PHARYNGECTOMY REMOV LES
910	OTOSCOPY REMOVE FGN BOD

P2

OPER1	
443	PARTIAL GASTRECTOMY
446	VAGOTOMY
453	ANASTOMOSIS OF STOMACH
421	LOC EXC ESOPHAGUS LESIO
561	EXPLORATORY LAPAROTOMY
450	GASTROSTOMY TEMPORARY
920	ESOPHAGOS THRU GASTROST
430	ESOPHAGOTOMY
380	BONE MARROW ASPIRATION
577	REP HERN DIAPHR ABD APP
260	THORACOTOMY / PLEUROTOM
436	PLASTIC / REP OF ESOPHA
452	PROSTATECTOMY TRANSURET
444	COMPLETE GASTRECTOMY
470	RESECT COLON SEGMENTAL
535	CHOLECYSTECTOMY
935	INTRAVENOUS PYELOGRAPHY
562	DIVISION PERIT ADHESION
919	FIBER OPTIC EXAM ANY LO
479	ENTEROSTOMY OTHER
456	GASTRORRHAPHY OTH PLAST
432	RESECTION OF ESOPHAGUS
442	LOC EXCIS LES OF STOMAC
946	RADIOISOTOPE SCAN EXAMI

HICDA2

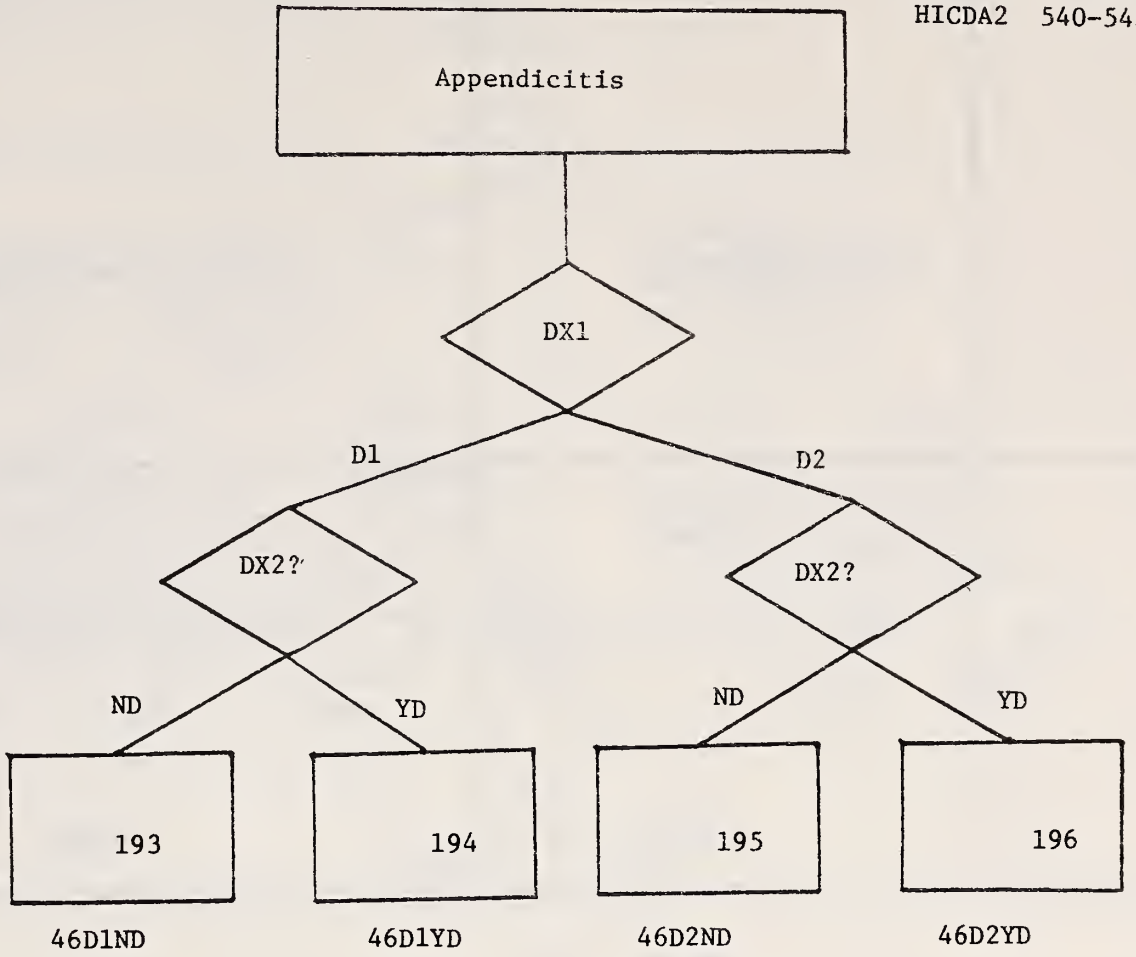
P1

OPER1	
923	ESOPHAGOGASTROSCOPY
428	ESOPHAGEAL DILATION
925	CYSTOURETHROSCOPY
924	PROCTOSIGMOIDOSCOPY
451	EXCISION SM BOWEL LESION
433	PYLOROMYOTOMY

P2

OPER1	
434	EXCISION STOMACH LESION
422	EXCISION ESOPHAGEAL LES
437	PART GASTREC & G-JEJUNOST
440	VAGOTOMY
500	PERCUTANEOUS LIVER ASPIR
341	THORACOTOMY
435	PART GASTREC & G-ESOPHAGOS
445	GASTRORRHAPHY NEC
426	ESOPHAGOMYOTOMY
342	LAPAROTOMY
444	GASTRIC ANASTOM REVISION
436	PART GASTREC & G-DUODENOST
420	ESOPHAGOTOMY
423	ESOPHAGEAL RESECTION
585	URETHRAL DILATION

Diagnostic Category 46: ICDA8 540-5430
HICDA 5400-5430
HICDA2 540-5430



46 Appendicitis

ICDA8

D1

DX1

5409 ACUTE APPENDICITIS-WITHOUT MENTION OF PERITONITIS
541 APPENDICITIS, UNQUALIFIED

D2

DX1

5400 ACUTE APPENDICITIS-WITH PERITONITIS

HICDA

D1

DX1

5400 ACUTE APPEND WO PERIT

D2

DX1

5401 ACUTE APPEND W PERIT
5420 APPENDICITIS OTHER
5430 APPENDIX DISEASES OTHER

HICDA2

D1

DX1

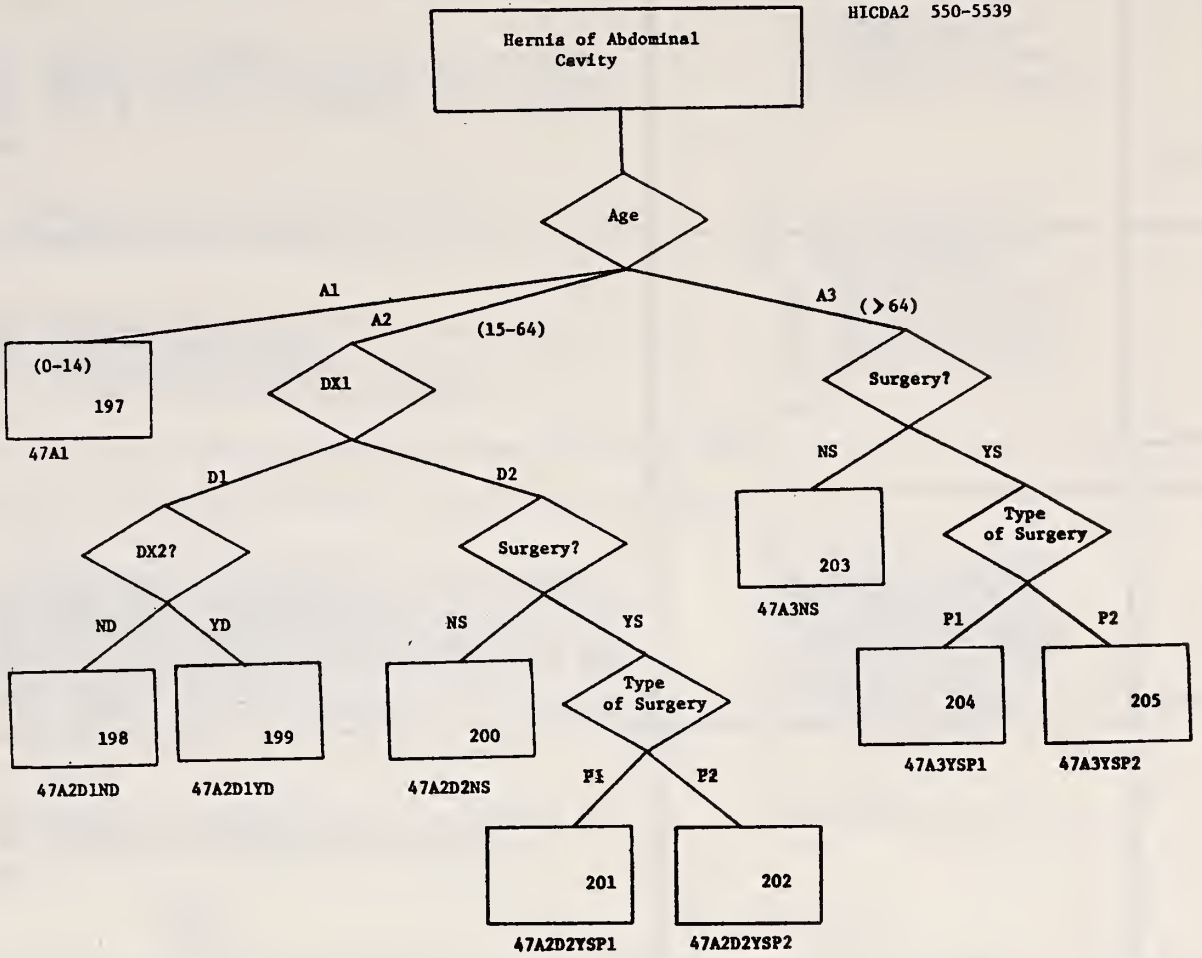
5400 ACUTE APPENDICITIS NOS

D2

DX1

5401 APPENDICITIS & PERITONIT
5420 APPENDICITIS NEC
5430 DISEASE OF APPENDIX NEC

Diagnostic Category 47: ICDA8 550-5539
HICDA 550-5539
HICDA2 550-5539



47 Hernia of Abdominal Cavity

ICDA8

D1

DX1

5500 INGUINAL HERNIA WITHOUT MENTION OF OBSTRUCTION
550 INGUINAL HERNIA WITHOUT MENTION OF OBSTRUCTION
5511 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST

D2

DX1

5512 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
5510 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
5520 INGUINAL HERNIA WITH OBSTRUCTION
5531 OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION-UMBILI
552 INGUINAL HERNIA WITH OBSTRUCTION
5532 OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION-VENTRA
5530 OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION-FEMORA

D2YSP1

OPER1

382 REPAIR OF INGUINAL HERNIA EXCEPT RECURRENT
384 REPAIR OF FEMORAL HERNIA EXCEPT RECURRENT
A44 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
387 REPAIR OF EPIGASTRIC HERNIA
388 REPAIR OF UMBILICAL HERNIA
A49 OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
383 REPAIR OF RECURRENT INGUINAL HERNIA

D2YSP2

OPER1

386 REPAIR OF VENTRAL OR INCISIONAL HERNIA
380 REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, ABDOMINAL
381 REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, THORACIC
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
389 OTHER HERNIA REPAIR

HICDA

D1

DX1

5500 INGUINAL HERNIA NO OBST
5511 UMBILICAL HERNIA NO OBS

D2

DX1

5512 VENTRAL HERNIA NO OBST
5513 DIAPHRAGM HERNIA NO OBS
5510 FEMORAL HERNIA NO OBST
5520 INGUINAL HERNIA W OBST
5532 VENTRAL HERNIA W OBST
5531 UMBILICAL HERNIA W OBST
5518 HERNIA OTH SITE NO OBST

D2YSP1

OPER1

570 REP HERN INGUIN NONRECU
576 REPAIR UMBILICAL HERNIA
572 REP HERN FEMOR NONRECUR
575 REPAIR EPIGASTRIC HERNI
914 NONSURG ESOPHAGOSCOPY
533 BIOPSY OF ESOPHAGUS
571 REP HERN INGUIN RECURR
916 NONSURG CYSTOSCOPY URET
557 EXCIS PERITONEUM LESION

D2YSP1

OPER1

574 REP HERN VENT INCISIONA
577 REP HERN DIAPHR ABD APP
446 VAGOTOMY
578 REP HERN DIAPHR THOR AP
535 CHOLECYSTECTOMY
579 HERNIA REPAIR OTHER
443 PARTIAL GASTRECTOMY

HICDA2

D1

DX1

5500 UNILAT INGUINAL HERNIA
5501 BILAT INGUINAL HERNIA
5502 RECURR INGUINAL HERNIA
5512 UMBILICAL HERNIA

D2

DX1

5513 VENTRAL HERNIA NOS
5515 HIATAL HERNIA
5520 OBSTRU UNILAT ING HERNIA
5533 OBSTRUCTED VENT HERNIA
5532 OBSTRUCTED UMB HERNIA
5510 FEMORAL HERNIA NOS
5514 RECURRENT VENTRAL HERNIA
5530 OBSTRUCT FEMORAL HERNIA
5522 OBSTPL RECURR ING HERNIA
5521 OBSTRUC BILAT ING HERNIA
5539 OBSTR ABD CAV HERNIA NEC

D2YSP1

OPER1

535 ANT ABD HERNIORRHAPH NEC
530 UNILAT ING HERNIORRHAPHY
923 ESOPHAGOGASTROSCOPY
534 UMBILICAL HERNIORRHAPHY
536 ANT ABD HERNIA-PROSTH
924 PROCTOSIGMOIDOSCOPY
532 BILAT ING HERNIORRHAPHY
422 EXCISION ESOPHAGEAL LES

D2YSP2

OPER1

537 DIAPHRAGM HERNIA REP-ABD
538 DIAPHRAGM HERN REP-THOR
542 LAPAROTOMY
539 HERNIORRHAPHY NEC
545 LYSIS PERITONEAL ADHES
885 EXCISION SKIN LESION
454 RESECTION OF SMALL BOWEL
707 CUL-DE-SAC OBLITERATION
341 THORACOTOMY
511 CHOLECYSTECTOMY
445 GASTRORRHAPHY NEC
622 EXCIS SPERM CORD LES NEC
464 REPAIR OF ARTIFIC STOMA
385 URETHRAL DILATION

47 Hernia of Abdominal Cavity
(Cont'd)

ICDA8

P1

OPER1	
382	REPAIR OF INGUINAL HERNIA EXCEPT RECURRENT
383	REPAIR OF RECURRENT INGUINAL HERNIA
384	REPAIR OF FEMORAL HERNIA EXCEPT RECURRENT
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
387	REPAIR OF EPIGASTRIC HERNIA

P2

OPER1	
386	REPAIR OF VENTRAL OR INCISIONAL HERNIA
388	REPAIR OF UMBILICAL HERNIA
474	RESECTION OF SMALL INTESTINE
381	REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, THORACIC
715	OTHER PLASTIC OPERATIONS ON VAGINA
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
389	OTHER HERNIA REPAIR
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A27	BIOPSY OF ANUS
A1d	BIOPSY OF STOMACH AND INTESTINES
38C	REPAIR OF DIAPHRAGM AND DIAPHRAGMATIC HERNIA, ABDOMINAL
582	PROSTATECTOMY, TRANSURETHRAL

HICDA

P1

OPER1	
570	REP HERN INGUIN NONRECU
571	REP HERN INGUIN RECURR
572	REP HERN FEMOR NONRECUR
576	REPAIR UMBILICAL HERNIA
914	NONSURG ESOPHAGOSCOPY
915	NONSURG ENDOSCOPY

P2

OPER1	
574	REP HERN VENT INCISIONA
577	REP HERN DIAPHR ABD APP
575	REPAIR EPIGASTRIC HERNI
463	RESECTION SMALL INTEST
551	EXPLORATORY LAPAROTOMY
535	CHOLECYSTECTOMY
562	DIVISION PERIT ADHESION
578	REP HERN DIAPHR THOR AP
916	NONSURG CYSTOSCOPY URET
652	PROSTATECTOMY TRANSUPET
483	PLASTC REP ARTIFIC STOM
579	HERNIA REPAIR OTHER
438	BIOPSY OF ESOPHAGUS
446	VAGOTOMY
470	RESECT COLON SEGMENTAL

HICDA2

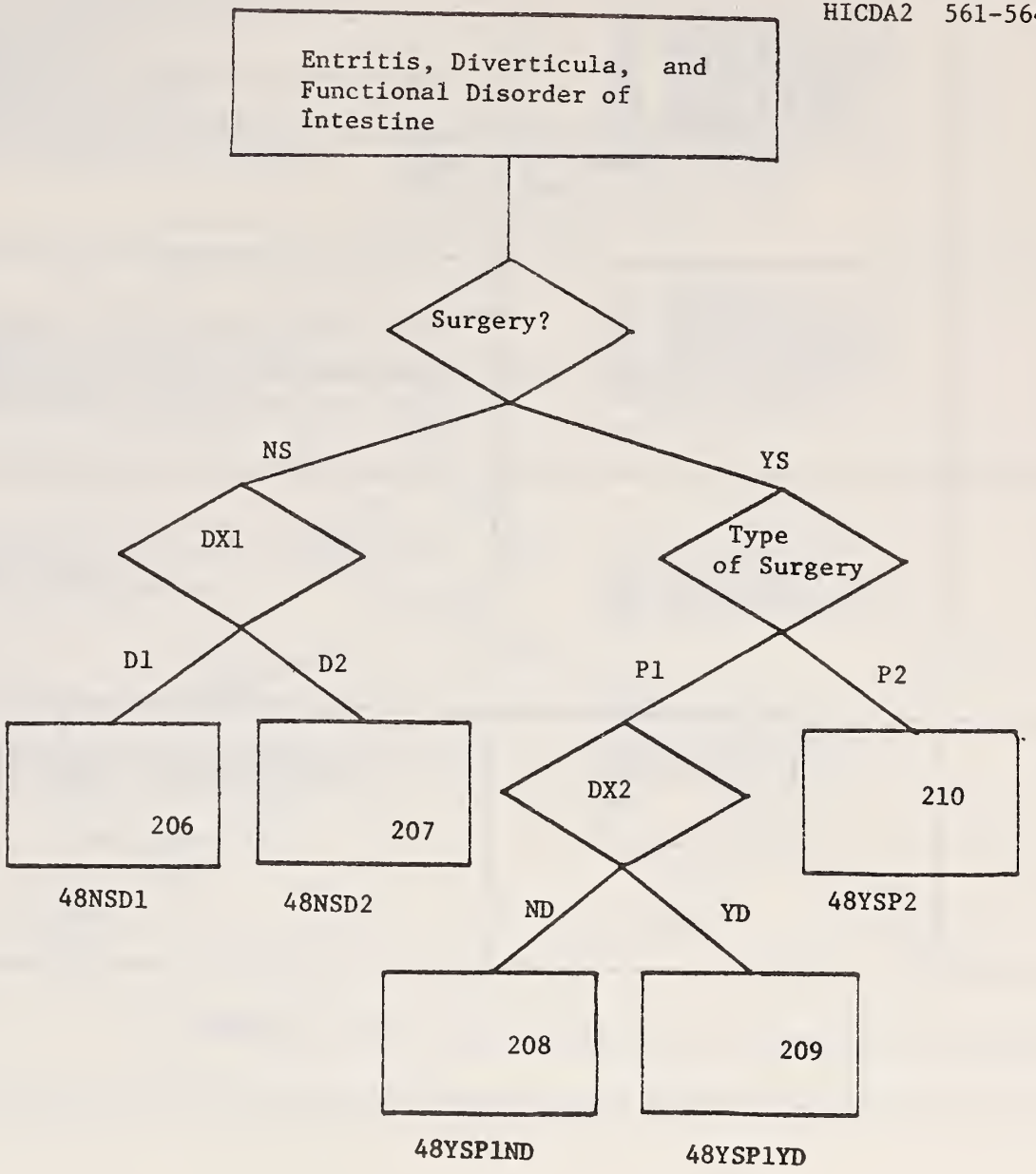
P1

OPER1	
530	UNILAT ING HERNIORRHAPHY
532	BILAT ING HERNIORRHAPHY
534	UMBILICAL HERNIORRHAPHY
923	ESOPHAGOGASTROSCOPY
924	PROCTOSIGMOIDOSCOPY
531	UNILAT ING HERNIA-PROSTH

P2

OPER1	
536	ANT ABD HERNIORRHAPH NEC
537	DIAPHRAGM HERNIA REP-ABD
538	ANT ABD HERNIA-PROSTH
925	CYSTOURETHROSCOPY
454	RESECTION OF SMALL BOWEL
542	LAPAROTOMY
538	DIAPHRAGM HERN REP-THOR
545	LYSIS PERITONEAL ADHES
434	EXCISION STOMACH LESION
462	EXCISION RECTAL LESION
539	HERNIORRHAPHY NEC
602	TRANSURETH PROSTATECTOMY

Diagnostic Category 48: ICDA8 561-5649
HICDA 561-5649
HICDA2 561-5649



48 Enteritis, Diverticula, and Functional Disorder of Intestine

ICDA8

D1

DX1

5641 FUNCTIONAL DISORDERS OF INTESTINES-IRRITABLE COLON
5643 FUNCTIONAL DISORDERS OF INTESTINES-CONSTIPATION
5649 FUNCTIONAL DISORDERS OF INTESTINES-OTHER
5610 GASTROENTERITIS AND COLITIS, EXCEPT ULCERATIVE, OF NONIN

D2

OX1

5621 DIVERTICULA OF INTESTINE-COLON
5630 REGIONAL ENTERITIS
5631 ULCERATIVE COLITIS
5639 CHRONIC ENTERITIS AND ULCERATIVE COLITIS-OTHER

P1

OPER1

445 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
418 BIOPSY OF STOMACH AND INTESTINES
444 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
446 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
485 CLOSURE OF ARTIFICIAL STOMA, INTESTINE
411 APPENDECTOMY
449 OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
703 DILATION AND CURETTAGE OF UTERUS

P2

OPERI

475 RESECTION OF COLON, PARTIAL OR SUBTOTAL
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
478 COLOSTOMY
476 RESECTION OF COLON, COMPLETE OR TOTAL
503 PROCTECTOMY
474 RESECTION OF SMALL INTESTINE
472 LOCAL EXCISION AND DESTRUCTION OF LESION OF INTESTINE
427 BIOPSY OF RCNE
575 DILATION OF URETHRA
470 ENTERCTOMY
403 DIVISION OF PERITONEAL ADHESIONS
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
390 INCISION OF ABDOMINAL WALL AND UMBILICUS

HICDA

D1

DX1

5641 IRRITABLE COLON
5610 NONINF GASTROENTERITIS
5640 CONSTIPATION
5649 FUNCT DISORD INTEST OTH

D2

OX1

5621 DIVERTICULOSIS COLON
5620 DIVERTICULOSIS SM INTES
5639 CHR GASTROENTERITIS NUS
5630 REGIONAL ENTERITIS
5631 ULCERATIVE COLITIS

P1

OPER1

913 NONSURG ENDOSCOPY
916 NONSURG CYSTOSCOPY URET
482 CLOS ARTIFIC STOMA INT
914 NONSURG ESOPHAGOSCOPY
409 BIOPSY INTESTINE COLON
935 INTRAVENOUS PYELOGRAPHY
380 ACNE MAROON ASPIRATION
509 REC PERIREC TIS OPER OT
971 PHYSICAL THERAPY
491 APPENDECTOMY

P2

OPER1

470 RESECT COLON SEGMENTAL
475 COLOSTOMY
551 EXPLORATORY LAPARUTOMY
472 LEFT HEMICOLECTOMY
508 BIOP RECTUM PERIRECT TI
473 COMPLETE COLECTOMY
402 LOC EXCIS LG INTEST LES
501 LOC EXCIS RECTAL LESION
481 ANASTOMO SM TO LG INTES
535 CHOLECYSTECTOMY
438 BIOPSY OF ESOPHAGUS
652 PROSTATECTOMY TRANSURET

HICDA2

D1

DX1

5623 DIVERTICULITIS COLON
5641 IRRITABLE BOWEL SYNDROME
5610 NONINFEC GASTROENTERITIS
5640 CONSTIPATION
5649 FUNCT DISORD INTEST NEC

D2

OX1

5621 DIVERTICULOSIS COLON
5630 REGIONAL ENTERITIS
5631 ULCERATIVE COLITIS
5620 DIVERTICULOSIS SM BOWEL
5639 CHR GASTROENTERITIS NEC
5632 GRANULOMATOUS COLITIS
5622 DIVERTICULITIS SM BOWEL

P1

OPER1

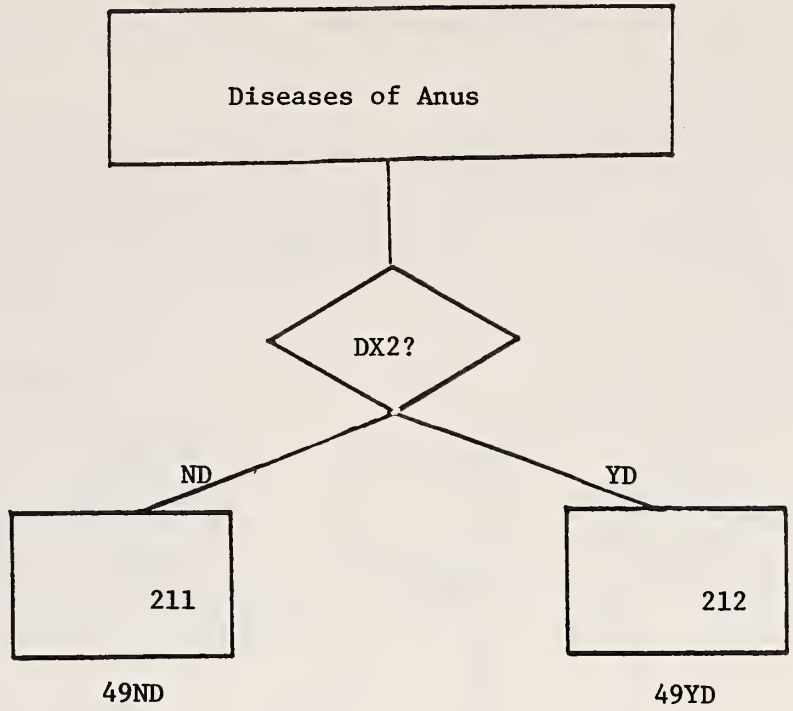
924 PROCTOSIGMOIDOSCOPY
923 ESOPHAGOGASTROSCOPY
925 CYSTOURETHROSCOPY
465 ARTIFICIAL STOMA CLOSURE
470 APPENDECTOMY
885 EXCISION SKIN LESION

P2

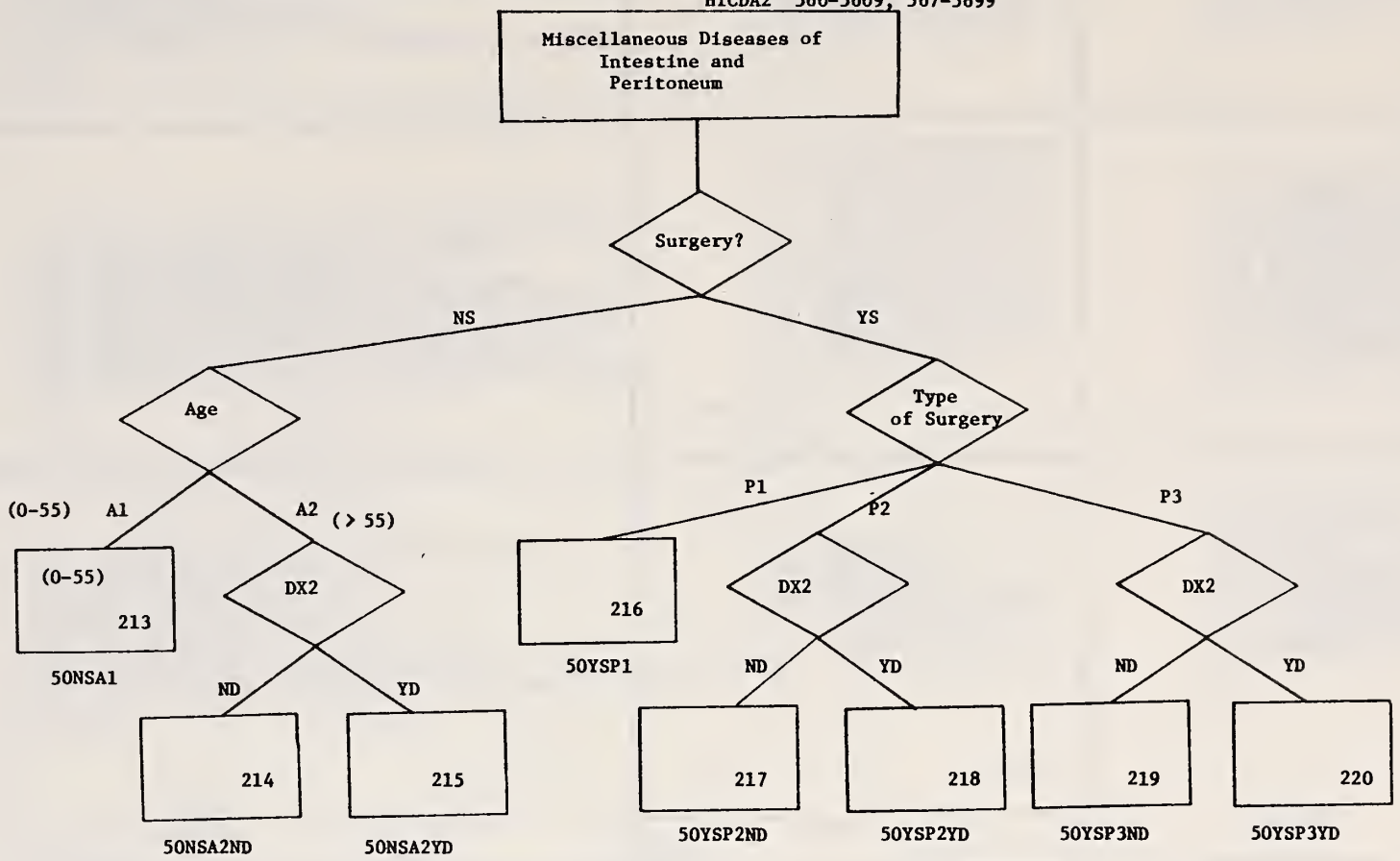
OPERI

455 SUBTOT RESECT-LG BOWEL
542 LAPAROTOMY
461 COLOSTOMY
452 EXCISION LG BOWEL LESION
482 EXCISION RECTAL LESION
456 TOTAL COLECTOMY
454 RESECTION OF SMALL BOWEL
545 LYSIS PERITONEAL ADHES
451 EXCISION SM BOWEL LESION
460 BOWEL EXTERIORIZATION
485 RECTAL RESECTION NEC
484 ABDOMINOPERINEAL RESECT
450 ENTEROTOMY
585 URETHRAL DILATION
434 EXCISION STOMACH LESION

Diagnostic Category 49: ICDA8 565-5660, 685-6850
HICDA 5650-5660, 685-6850
HICDA2 565-5660, 685-6850



Diagnostic Category 50: ICDA8 560-5609, 567-5699
HICDA 560-5609, 567-5699
HICDA2 560-5609, 567-5699



50 Miscellaneous Diseases of Intestine and Peritoneum

ICDA8

P1

OPER1

512	LOCAL EXCISION AND DESTRUCTION OF LESION OF ANUS
516	REPAIR AND PLASTIC OPERATION ON ANUS
502	LOCAL EXCISION AND DESTRUCTION OF LESION OF RECTUM
513	HEMORRHOIDECTOMY
514	DIVISION OF ANAL SPHINCTER
508	MANIPULATION OF RECTUM
501	INCISION OR EXCISION OF PERIRECTAL TISSUE
518	DILATION OF ANAL SPHINCTER
A53	PERITONEOSCOPY
703	DILATION AND CURETTAGE OF UTERUS
510	INCISION OF ANAL FISTULA
889	OTHER OPERATIONS ON MUSCLE, TENDON, FASCIA AND BURSA

P2

OPER1

A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
488	REDUCTION OF INTUSSUSCEPTION AND VOLVULUS
A18	BIOPSY OF STOMACH AND INTESTINES
A49	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
472	LOCAL EXCISION AND DESTRUCTION OF LESION OF INTESTINE
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
395	EXCISION AND DESTRUCTION OF LESION OF ABDOMINAL WALL AN
489	OTHER OPERATIONS ON INTESTINES
509	OTHER OPERATIONS ON RECTUM
A19	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
390	INCISION OF ABDOMINAL WALL AND UMBILICUS
718	INCISION OF PELVIC PERITONEUM FOR DRAINAGE AND FREEING

P3

OPER1

391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
403	DIVISION OF PERITONEAL ADHESIONS
474	RESECTION OF SMALL INTESTINE
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
478	COLOSTOMY
505	REPAIR AND PLASTIC OPERATION ON RECTUM
393	INCISION AND DRAINAGE OF OTHER PERITONEAL ABSCESS OR PE
470	ENTERECTOMY
462	GASTRIC RESECTION, PARTIAL OR SUBTOTAL
411	APPENDECTOMY
466	VAGOTOMY
A27	BIOPSY OF BONE
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU

HICDA

P1

OPER1

515	PLASTIC / REPAIR OF ANU
512	LOC EXCIS ANAL LESION
513	HEMORRHOIDECTOMY
501	LOC EXCIS RECTAL LESION
511	DIVISION ANAL SPHINCTER
505	MANIPULATION OF RECTUM
508	BIOP RECTUM PERIRECT TI
500	PROCTOTOMY
923	PERITONEOSCOPY
516	DILATION ANAL SPHINCTER

P2

OPER1

915	NONSURG ENDOSCOPY
488	REDU INTUSSUS / VOLVULU
550	INC ABDOM WALL / UMBIL
916	NONSURG CYSTOSCOPY URET
574	REP HERN VENT INCISIONA
556	EXCIS ABDOMINAL WALL LE
489	INTESTINE OPERATION OTH
914	NONSURG ESOPHAGOSCOPY
509	REC PERIREC TIS OPER OT
485	CLOS ARTIFIC STOMA INT
554	ABDOMINAL PARACENTESIS
557	EXCIS PERITONEUM LESION
711	ABD HYSTERECTOMY TOTAL
461	LOC EXCIS SM INTEST LES
486	FIXATN OF INTESTINE
734	PLAS REP VAG CYSTOCELE
468	BIOPSY INTESTINE COLON
462	LOC EXCIS LG INTEST LES
480	ANASTOMO SM TO SM INTES

P3

OPER1

551	EXPLORATORY LAPAROTOMY
562	DIVISION PERIT ADHESION
463	RESECTION SMALL INTEST
470	RESECT COLON SEGMENTAL
475	COLOSTOMY
504	PLASTIC / REPAIR RECTUM
464	EXTERIORIZATION INTEST
471	RIGHT HEMICOLECTOMY
460	ENTERCTOMY
483	PLASTC REP ARTIFIC STOM
479	ENTERCSTOMY OTHER

HICDA2

P1

OPER1

492	EXCISION ANAL LESION
482	EXCISION RECTAL LESION
493	HEMORRHOIDECTOMY
496	ANAL REPAIR & PLASTIC
491	ANAL FISTULA INCIS-EXCIS
488	PERIRECTAL INCIS & EXCIS
497	ANAL SPHINCTER DILATION
494	ANAL SPHINCTER DIVISION
487	RECTAL MANIPULATION
690	D&C
914	LAPARCSCOPY
489	RECTAL & PERIRECT OP NEC
573	TUR EXCISION BLADDER LES

P2

OPER1

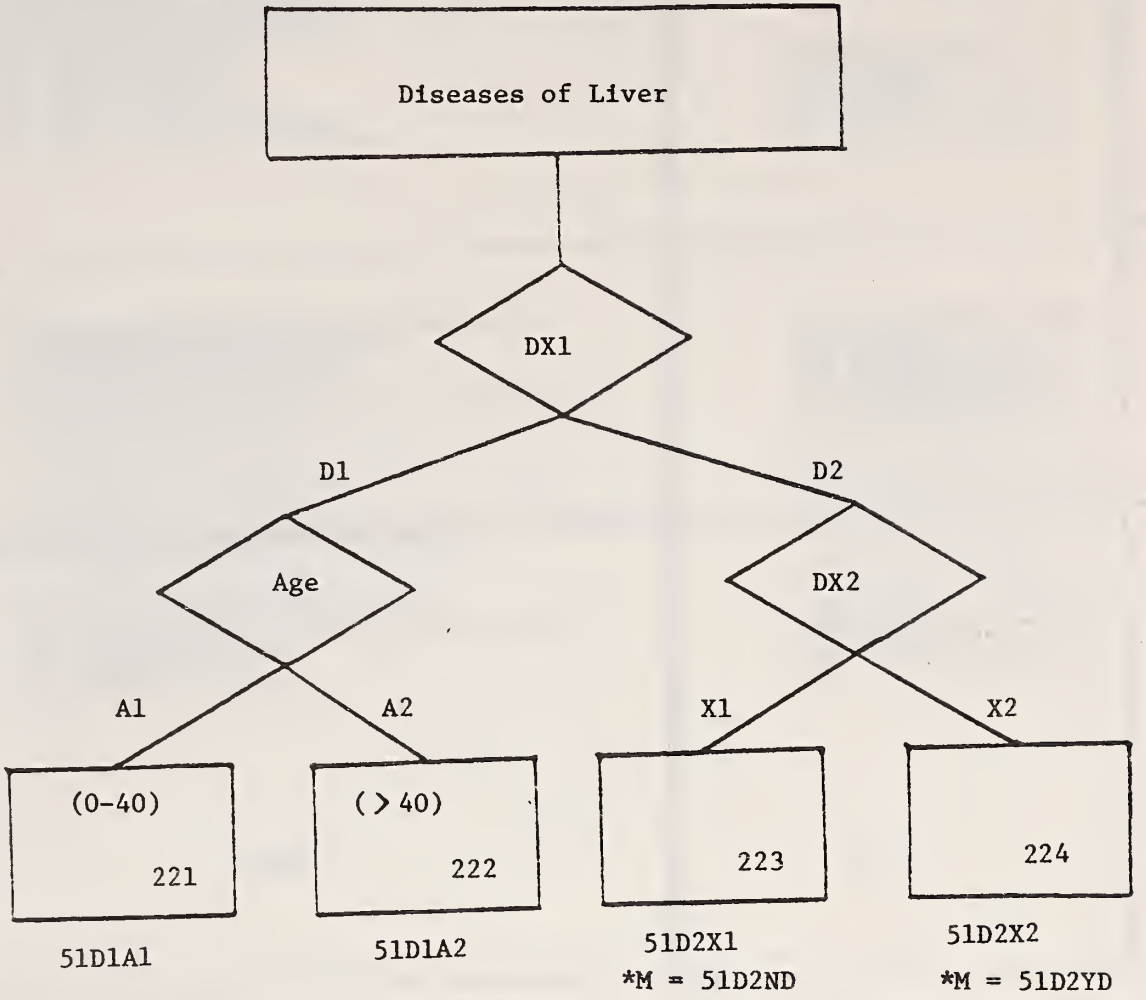
924	PROCTOSIGMOIDOSCOPY
468	INTRA-ABD BOWEL MANIPULA
544	EXCISION PERITONEAL LES
923	ESOPHAGOGASTROSCOPY
452	EXCISION LG BOWEL LESION
541	ABDOMINAL WALL INCISION
543	EXCISION ABD WALL LESION
925	CYSTOURETHROSCOPY
457	SM-TO-SM BOWEL ANASTOMOS
535	ANT ABD HERNIORRHAPH NEC
451	EXCISION SM BOWEL LESION
885	EXCISION SKIN LESION
490	PERIANAL INCIS & EXCIS
502	EXCISION LIVER LESION
921	LARYNGOTRACHEOSCOPY
465	ARTIFICIAL STOMA CLOSURE

P3

OPER1

542	LAPARCTOMY
543	LYSIS PERITONEAL ADHES
455	SUBTOT RESECT-LG BOWEL
454	RESECTION OF SMALL BOWEL
461	COLOSTOMY
470	APPENDECTOMY
486	RECTAL REPAIR & PLASTIC
450	ENTEROTOMY
511	CHOLECYSTECTOMY

Diagnostic Category 51: ICDA8 070-0700, 9992, 570-5739
HICDA 070-0700, 9992, 570-5739, 7921
HICDA2 070-0709, 570-5739



*M = MADOC Group Code

51 Diseases of Liver

ICDA8

D1

dx1

0700 INFECTIOUS HEPATITIS A
5730 HEPATITIS NOS
070 INFECTIOUS HEPATITIS
9992 OTHER COMPLICATIONS OF MEDICAL CARE-SERUM HEPATITIS
570 ACUTE AND SUBACUTE NECROSIS OF LIVER
5700 ACUTE AND SUBACUTE NECROSIS OF LIVER

D2

dx1

5710 CIRRHOSIS OF LIVER-ALCOHOLIC
5719 CIRRHOSIS OF LIVER-UNSPECIFIED
5718 CIRRHOSIS OF LIVER-OTHER SPECIFIED
5739 OTHER DISEASES OF LIVER-OTHER AND UNSPECIFIED

X1

dx2

NO CODE
3039 OTHER AND UNSPECIFIED ALCOHOLISM
401 ESSENTIAL BENIGN HYPERTENSION
5192 -OTHER DISEASES OF LUNG
2894 HYPERSPLENISM
2910 -DELIRIUM TREMENS
5771 CHRONIC PANCREATITIS
5513 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBST
4010 ESSENTIAL BENIGN HYPERTENSION
3049 DRUG DEPENDENCE-UNSPECIFIED
7886 -PYREXIA OF UNKNOWN ORIGIN
V105 OTHER SURGICAL AFTERCARE
7802 -CONVULSIONS
5750 CHOLECYSTITIS AND CHOLANGITIS, WITHOUT MENTION OF CALCUL
7851 -HEPATOMEGALY

HICDA

D1

Dx1

0700 INFECTIOUS HEPATITIS
5730 INFLAM DIS OF LIVER NOS
5700 NECROSIS LIVER ACUTE
9992 SERUM HEPATITIS JAUNDIC

D2

Dx1

5710 LAENNEC S CIRRHOSIS LVR
5719 CIRRHOSIS LIVER NOS
5739 LIVER DISEASE OTH / UNS
5712 POSTNECROT CIRRHOSIS LV
7921 HEPATIC COMA
5718 CIRRHOSIS LIVER SPEC DT
5711 BILIARY CIRRHOSIS LIVER
5720 SUPP HEPAT LIVER ABSCES

X1

Dx2

NO CODE
3139 ALCOHOLISM OTHER / UNS
5350 GASTRITIS AND DUODENITI
3579 PERIPH NERVE DISEASE NO
5999 URIN TRACT DIS OTH / UN
4010 HYPERTENSION ESSENT BEN
7845 HEMATEMESIS
7851 HEPATOMEGALY
7826 EDEMA AND DROPSY
5112 PLEURAL EFFUSION OTHER

HICDA2

01

dx1

0700 INFECTIOUS HEPATITIS
0701 SERUM HEPATITIS
0709 VIRAL HEPATITIS NEC/NOS
5732 HEPATITIS NEC & NOS
5730 CHRONIC ACTIVE HEPATITIS
5700 ACUTE NECROSIS OF LIVER
5731 TOXIC HEPATITIS

D2

dx1

5710 LAENNEC'S CIRRHOSIS
5719 CIRRHOSIS OF LIVER NOS
5739 LIVER DISEASE NEC & NOS
5712 POSTNECROTIC CIRRHOSIS
5734 HEPATIC ENCEPHALOPATHY
5711 BILIARY CIRRHOSIS
5720 SUPPURATIVE HEPATITIS
5735 HEPATIC FAILURE NEC/NOS

X1

dx2

NO CODE
4583 PORTAL HYPERTENSION
4010 BENIGN HYPERTENSION
7845 HEMATEMESIS
7802 HEPATOMEGALY
7820 GI BLEEDING NEC
4960 CHR OBSTRUCTIVE LUNG DIS
5515 HIATAL HERNIA
5740 GALLBLADDER CALCULUS
5995 URIN TRACT INFECTION NOS
3139 ALCOHOLISM NEC & NOS
4279 CONGESTIVE HEART FAILURE

51 Diseases of Liver
(Cont'd)

ICDA8

X2

dx2

5739 OTHER DISEASES OF LIVER-OTHER AND UNSPECIFIED
4560 VARICOSE VEINS-OF ESOPHAGUS
3032 ALCOHOLIC ADDICTION
7853 -ASCITES
2509 DIABETES MELLITUS-WITHOUT MENTION OF ACIDOSIS OR COMA
5699 OTHER DISEASES OF INTESTINES AND PERITONEUM-OTHER
2859 ANEMIA, UNSPECIFIED
5718 CIRRHOSIS OF LIVER-OTHER SPECIFIED
4129 CHRONIC ISCHEMIC HEART DISEASE-WITHOUT MENTION OF HYPERT
5710 CIRRHOSIS OF LIVER-ALCOHOLIC
7880 -ELECTROLYTE DISORDERS
4120 CHRONIC ISCHEMIC HEART DISEASE-WITH HYPERTENSIVE DISEASE
5719 CIRRHOSIS OF LIVER-UNSPECIFIED
2819 OTHER AND UNSPECIFIED DEFICIENCY ANEMIA
7852 -JAUNDICE (NOT OF NEWBORN)
2800 IRON DEFICIENCY ANEMIAS

HICDA

X2

CX2

3132 ALCOHOLISM ADDICTION
7921 HEPATIC COMA
7853 ASCITES
5719 CIRRHOSIS LIVER NOS
5710 LAENNEC S CIRRHOSIS LVR
2500 DIABETES MELLITUS UNCOM
4920 PULMONARY EMPHYSEMA
2859 ANEMIA UNSPECIFIED
4561 VARIC VEIN ESOPH W ULCE
4270 CONGESTIVE HEART FAILUR
5739 LIVER DISEASE OTH / UNS
4583 PORTAL HYPERTENSION
4560 VARIC VEIN ESOPH WO ULC
4860 PNEUMONIA ORG / TYPE NO
7852 JAUNDICE NOT OF NEWBORN
7857 GI TRACT HEMORRHAGE NOS
7130 OSTEOARTHRITIS
5932 RENAL DISEASE OTHER
5709 GB BILE DUCT OTH / UNS
2809 IRON DEFICIEN ANEMIA NO
2819 DEFIC ANEMIA OTH / UNS
4129 CHR HT DIS OTHER / UNS
5320 DUOD ULCER WO PERF NO B
5759 CHOLECYST / CHOLANG NOS
5718 CIRRHOSIS LIVER SPEC OT

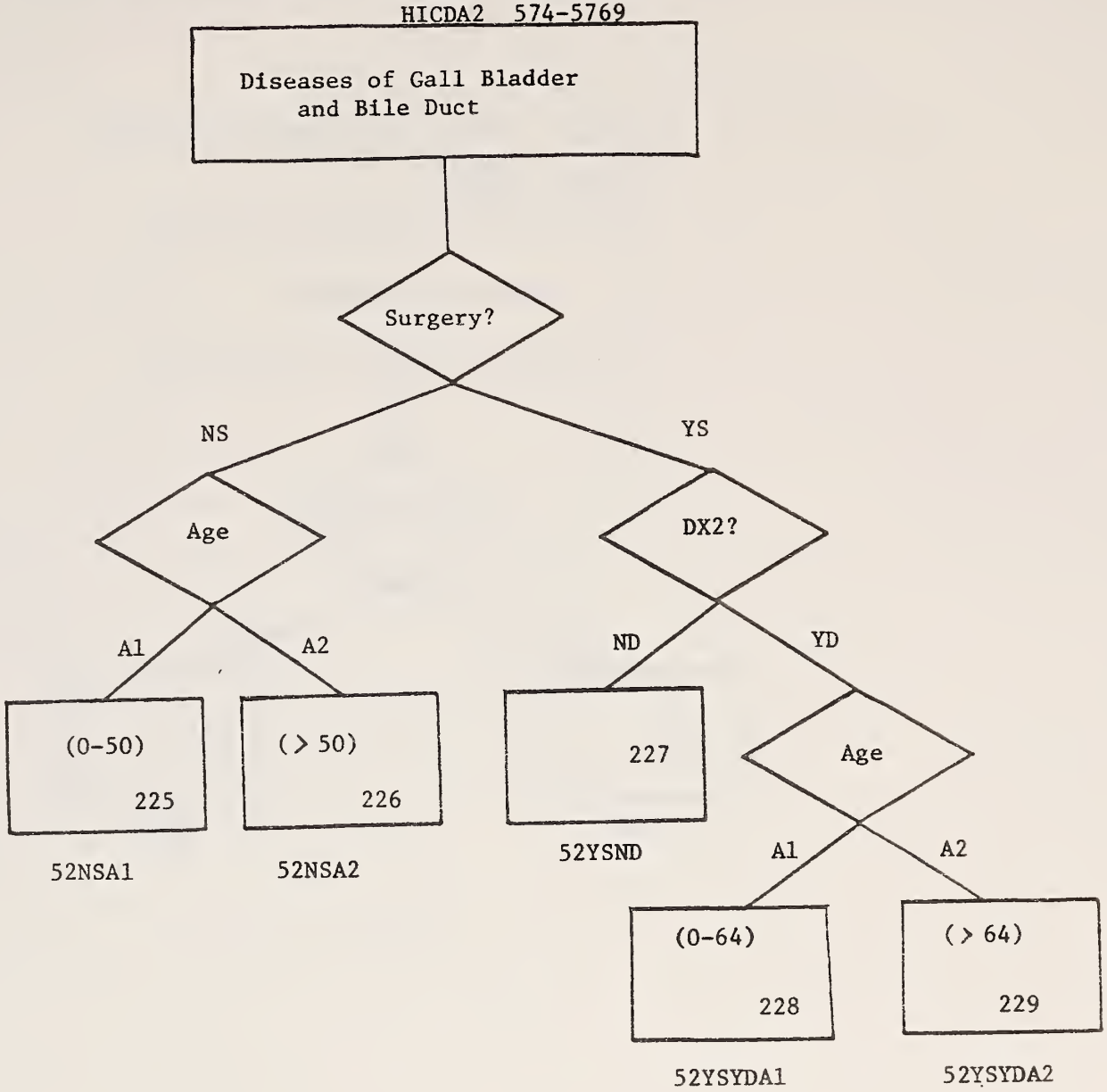
HICDA2

X2

dx2

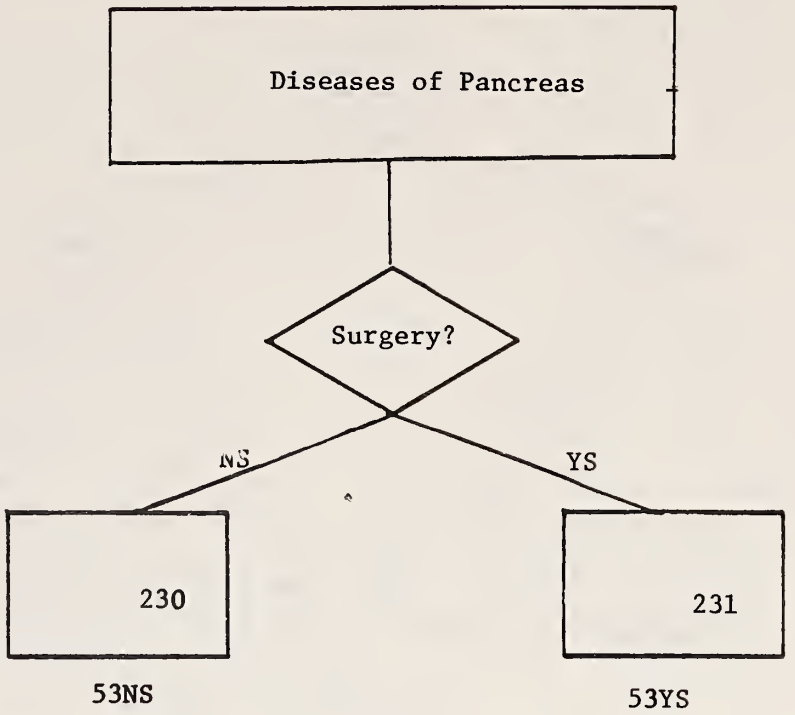
3132 ALCOHOLIC ADDICTION
7807 ASCITES
2500 DIAB MEL ADULT ONSET NOS
5734 HEPATIC ENCEPHALOPATHY
4129 CHR ISCHEMIC HRT DIS NEC
4560 ESOPHAGEAL VARICOSITY
2859 ANEMIA NOS
5710 LAENNEC'S CIRRHOSIS
5719 CIRRHOSIS OF LIVER NOS
5735 HEPATIC FAILURE NEC/NOS
2809 IRON DEFICIEN ANEMIA NEC
5739 LIVER DISEASE NEC & NOS
4561 BLEEDING ESOPH VARICES
5350 GASTRITIS/DUODENITIS NOS
2819 DEFIC ANEMIA NEC & NOS
7823 JAUNDICE
2812 FOLIC ACID DEFIC ANEMIA
5712 POSTNECROTIC CIRRHOSIS
7902 DEHYDRATION NEC
5770 ACUTE PANCREATITIS

Diagnostic Category 52: ICDA8 574-5769
HICDA 574-5769
HICDA2 574-5769

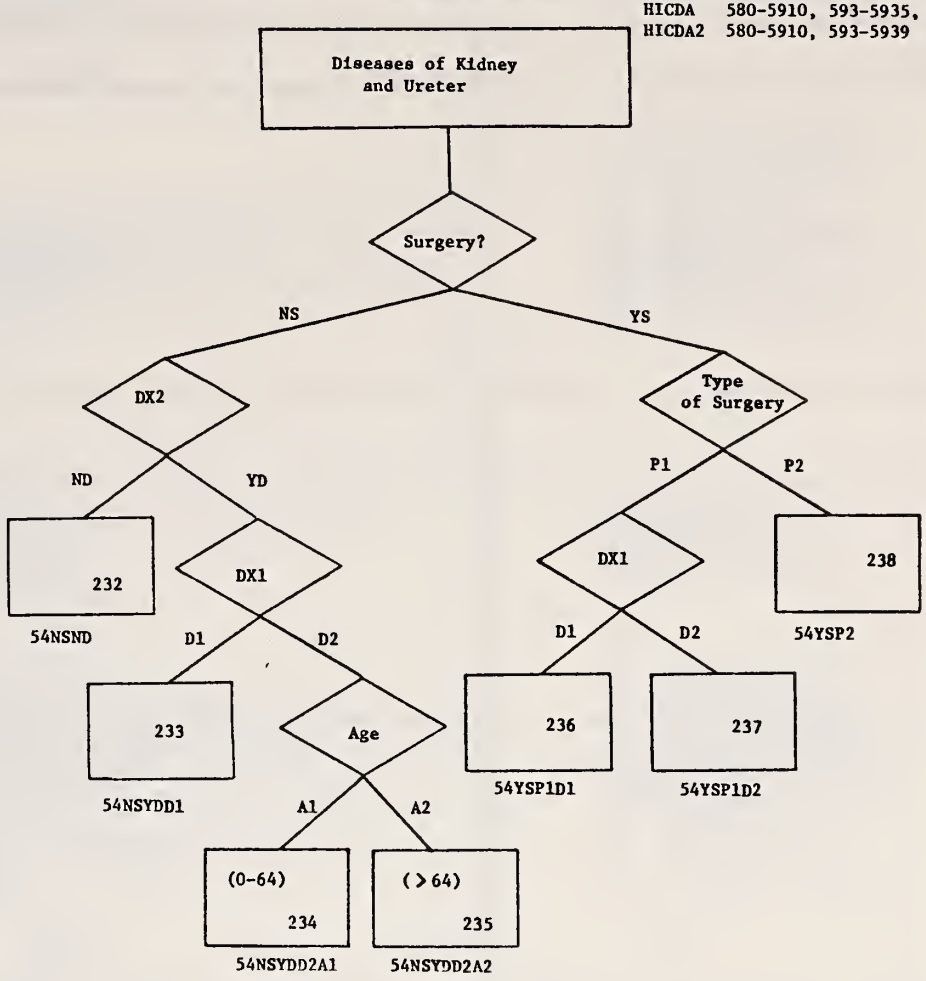


Diagnostic Category 53:

ICDA8	577-5779
HICDA	5770-5779
HICDA2	577-5779



Diagnostic Category 54: ICDA8 580-5910, 593-5935, 792-7920
HICDA 580-5910, 593-5935, 7920
HICDA2 580-5910, 593-5939



54 Diseases of Kidney and Ureter

ICDA8

D1

DX1

5931 -OTHER PYELONEPHRITIS, PYELITIS, AND PYELOCYSTITIS
5830 NEPHRITIS, UNQUALIFIED
593 NEPHRITIS, UNQUALIFIED
5935 -OTHER DISEASES OF URETER
5840 RENAL SCLEROSIS, UNQUALIFIED

D2

DX1

5932 -OTHER RENAL DISEASE
582 CHRONIC NEPHRITIS
5820 CHRONIC NEPHRITIS
5900 -CHRONIC PYELONEPHRITIS
792 UREMIA
581 NEPHROTIC SYNDROME
5910 HYDRONEPHROSIS
5933 -OBSTRUCTION OF URETER, NOT ELSEWHERE CLASSIFIED
7920 UREMIA
5810 NEPHROTIC SYNDROME
591 HYDRONEPHROSIS

P1

OPER1

A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A20 BIOPSY OF ADRENAL GLAND, KIDNEY AND PERI-RENAL TISSUE
575 DILATION OF URETHRA
246 ANASTOMOSIS AND OTHER REPAIR OF PERIPHERAL VESSELS
557 PASSAGE OF CATHETER TO KIDNEY
247 RECONSTRUCTION OF PERIPHERAL ARTERY BY BLOOD VESSEL GRA
240 INCISION OF PERIPHERAL VESSELS
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU

P101

DX1

5931 -OTHER PYELONEPHRITIS, PYELITIS, AND PYELOCYSTITIS
5935 -OTHER DISEASES OF URETER
593 NEPHRITIS, UNQUALIFIED
5930 NEPHRITIS, UNQUALIFIED
5934 -HYDROURETER
5840 RENAL SCLEROSIS, UNQUALIFIED

HICDA

D1

DX1

5931 PYELITIS
5830 NEPHRCITIS NOS
5935 URETER DISEASE OTHER

D2

DX1

5932 RENAL DISEASE OTHER
5820 CHRONIC NEPHRITIS
7920 UREMIA
5900 CHR / UNS PYELONEPHRITI
5800 ACUTE NEPHRITIS
5933 OBSTRUCTION OF URETER
5910 HYDRONEPHROSIS
5810 NEPHROTIC SYNDROME

P1

OPER1

916 NONSURG CYSTOSCOPY URET
600 NEPHRCTOMY
609 KIDNEY OPERATION OTHER
617 URETERAL CATHETERIZATIO
366 ARTERIOVEN FIST PERI OP
647 DILATATION OF URETHRA
915 NONSURG ENDOSCOPY
649 URETHRAL OPERATION OTHE
626 REM BLAD CALCULUS NO IN
024 REVIS OF VENTRIC SHUNT
914 NONSURG ESOPHAGOSCOPY
619 URETER OPERATION OTHER
367 GRAFT RECONST PERIPH AR
890 INC SKIN SUBCUTAN TISSU

P101

DX1

5932 RENAL DISEASE OTHER
5901 PYELITIS
5933 OBSTRUCTION OF URETER
5935 URETER DISEASE OTHER

HICDA2

D1

DX1

5901 ACUTE PYELONEPHRITIS
5830 GLOMERULONEPHRITIS NOS
5936 HYDROURETER
5937 VESICO-URETERAL REFLUX

D2

DX1

5852 CHRONIC RENAL FAILURE
5902 PYELONEPHRITIS NOS
5900 CHRONIC PYELONEPHRITIS
5859 RENAL FAILURE NOS
5820 CHR GLOMERULONEPHRITIS
5935 RENAL DISEASE NEC
5810 NEPHROTIC SYNDROME
5851 ACUTE RENAL FAILURE NEC
5869 FUNCT RENAL DISORDER NEC
5934 SOLITARY CYST OF KIDNEY
5910 HYDRONEPHROSIS
5936 URETERAL OBSTRUCTION

P1

OPER1

925 CYSTOURETHROSCOPY
585 URETHRAL DILATION
598 URETERAL CATHETERIZATION
550 PERCUTANEOUS RENAL PUNCT
924 PROCTOSIGMOIDOSCOPY
885 EXCISION SKIN LESION
584 URETHROLYSIS

P101

DX1

5901 ACUTE PYELONEPHRITIS
5936 URETERAL OBSTRUCTION
5937 VESICO-URETERAL REFLUX
5939 URETERAL DISEASE NEC
5830 GLOMERULONEPHRITIS NOS
5938 HYDROURETER
5933 NEPHROPTOSIS

54 Diseases of Kidney and Ureter
(Cont'd)

ICDA8

P1D2

DX1

5932 -OTHER RENAL DISEASE
5933 -OBSTRUCTION OF URETER, NOT ELSEWHERE CLASSIFIED
582 CHRONIC NEPHRITIS
5820 CHRONIC NEPHRITIS
581 NEPHROTIC SYNDROME
5900 -CHRONIC PYELONEPHRITIS
591 HYDRONEPHROSIS
5910 HYDRONEPHROSIS
5810 NEPHROTIC SYNDROME
5800 ACUTE NEPHRITIS
792 UREMIA

P2

OPER1

547 KIDNEY TRANSPLANT
545 NEPHRECTOMY, COMPLETE
544 NEPHRECTOMY, PARTIAL
548 REPAIR AND PLASTIC OPERATIONS ON KIDNEY
555 ANASTOMOSIS OF URETER
540 NEPHRECTOMY
249 OTHER OPERATIONS ON PERIPHERAL VESSELS
543 LOCAL EXCISION AND DESTRUCTION OF LESION OF KIDNEY
427 BIOPSY OF BONE
550 URETEROTOMY
556 REPAIR AND PLASTIC OPERATIONS ON URETER
541 PYELOTOMY
560 CYSTOTOMY
552 URETEROSTOMY, CUTANEOUS OR EXTERNAL
246 OPERATIONS ON ARTERIOVENOUS FISTULA, PERIPHERAL
582 PROSTATECTOMY, TRANSURETHRAL
558 URETEROLYSIS
551 URETERECTOMY
024 REVISION OR REMOVAL OF SHUNT

HICDA

P1D2

OX1

5820 CHRONIC NEPHRITIS
5900 CHR / UNS PYELONEPHRITI
7920 UREMIA
5910 HYDRONEPHROSIS
5810 NEPHROTIC SYNDROME
5800 ACUTE NEPHRITIS
5902 ABCESS KID PERIRENAL TI
5931 ACUTE TUBULAR NEPHROSIS

P2

OPER1

369 PERIPHERAL VES OPER OTH
607 KIDNEY TRANSPLANT
994 KIDNEY DIALYSIS
604 COMPLETE NEPHRECTOMY
608 BIOP KIDNEY PERIREN TIS
936 RETROGRADE PYELOGRAPHY
935 INTRAVENOUS PYELOGRAPHY
615 ANASTOMOSIS OF URETER
563 PERITONEAL DIALYSIS
605 PLASTIC / REPAIR KIDNEY
652 PROSTATECTOMY TRANSURET
955 ARTERIOGRAPHY OTHER
261 THORACENTESIS
610 URETEROTOMY
903 PARTIAL NEPHRECTOMY
382 SPLENECTOMY
602 LOC EXCIS KIDNEY LESION
380 BONE MARROW ASPIRATION
601 PYELOTOMY

HICDA2

P1D2

DX1

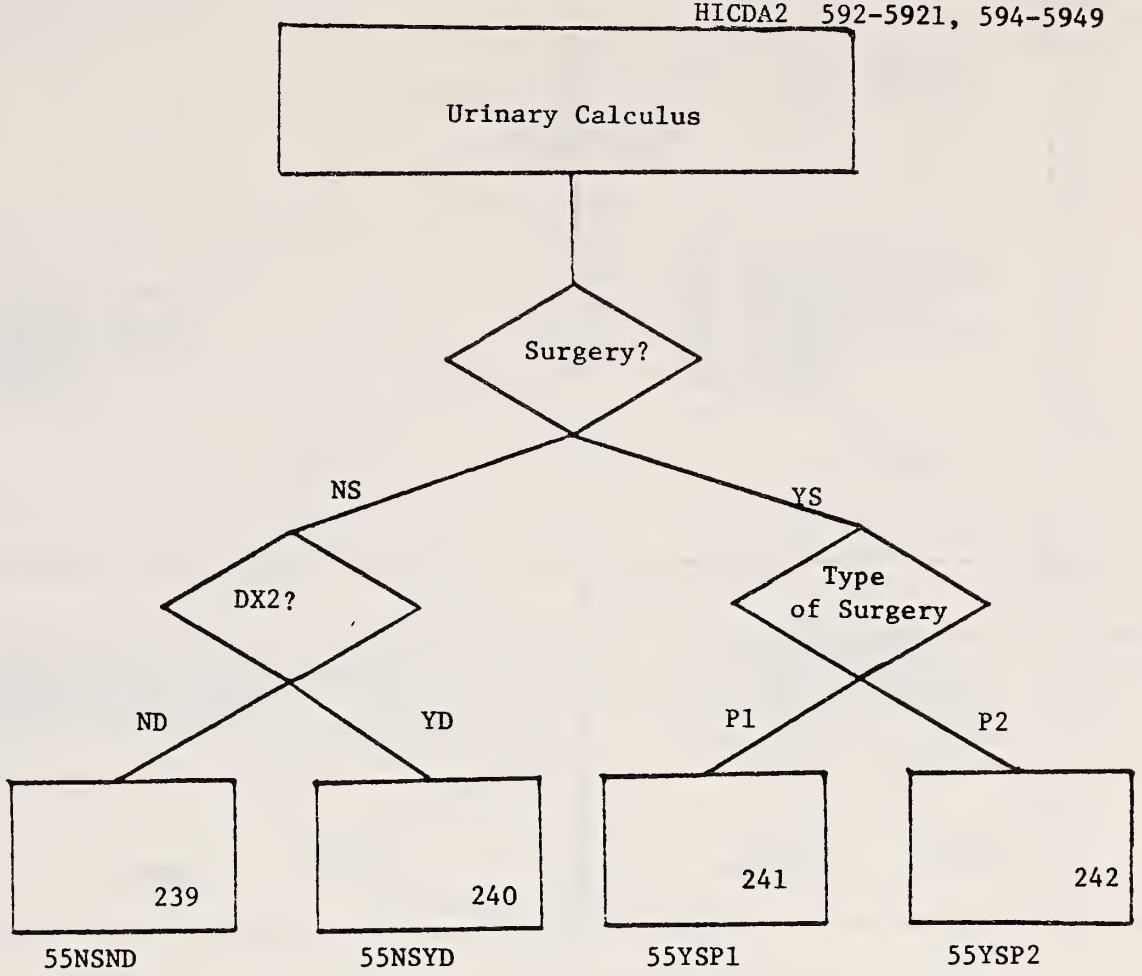
5852 CHRONIC RENAL FAILURE
5902 PYELONEPHRITIS NOS
5900 CHRONIC PYELONEPHRITIS
5910 HYDRONEPHROSIS
5859 RENAL FAILURE NOS
5934 SOLITARY CYST OF KIDNEY
5935 RENAL DISEASE NEC
5810 NEPHROTIC SYNDROME
5820 CHR GLOMERULONEPHRITIS
5851 ACUTE RENAL FAILURE NEC
5869 FUNCT RENAL DISORDER NEC

P2

OPER1

555 TOTAL NEPHRECTOMY
553 EXCISION RENAL LESION
567 URETERAL ANASTOMOSIS NEC
556 KIDNEY TRANSPLANT
558 RENAL REPAIR-PLASTIC NEC
554 PARTIAL NEPHRECTOMY
551 NEPHROTOMY & NEPHROSTOMY
394 PHLEBOTOMY
380 ANGIOTOMY
568 URETERORRHAPHY
602 TRANSURETH PROSTATECTOMY
552 PYELOTOMY & PYELOSTOMY
572 CYSTOSTOMY
562 URETEROTOMY
399 VESSEL OPERATION NEC
573 TUR EXCISION BLADDER LES

Diagnostic Category 55: ICDA8 592-5920, 594-5940
HICDA 5920-5921, 5940-5949
HICDA2 592-5921, 594-5949



55 Urinary Calculus

ICDA8

P1

OPER1

A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
557	PASSAGE OF CATHETER TO KIDNEY
575	DILATION OF URETHRA
568	REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INC
562	REPAIR OF INGUINAL HERNIA EXCEPT RECURRENT
559	OTHER OPERATIONS ON URETER
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU

P2

OPER1

550	URETEROTOMY
541	PYELOTOMY
560	CYSTOTOMY
540	NEPHRECTOMY
571	URETHROTOMY, EXTERNAL
544	NEPHRECTOMY, PARTIAL
545	NEPHRECTOMY, COMPLETE
558	URETEROLYSIS
582	PROSTATECTOMY, TRANSURETHRAL

HICDA

P1

OPER1

916	NONSURG CYSTOSCOPY URET
617	URETERAL CATHETERIZATIO
626	REN BLAD CALCULUS NO IN
935	INTRAVENOUS PYELOGRAPHY
93e	RETROGRADE PYELOGRAPHY
915	NONSURG ENDOSCOPY
647	DILATATION OF URETHRA

P2

OPER1

610	URETEROTOMY
601	PYELOTOMY
620	CYSTOTOMY
600	NEPHRECTOMY
652	PROSTATECTOMY TRANSURET
604	COMPLETE NEPHRECTOMY
640	URETHROTOMY EXTERNAL
622	TRANSURETH EXC BLAD LES
651	PROSTATECTOMY SUPRAPUBI
909	KIDNEY OPERATION OTHER
914	NONSURG ESOPHAGOSCOPY

HICDA2

P1

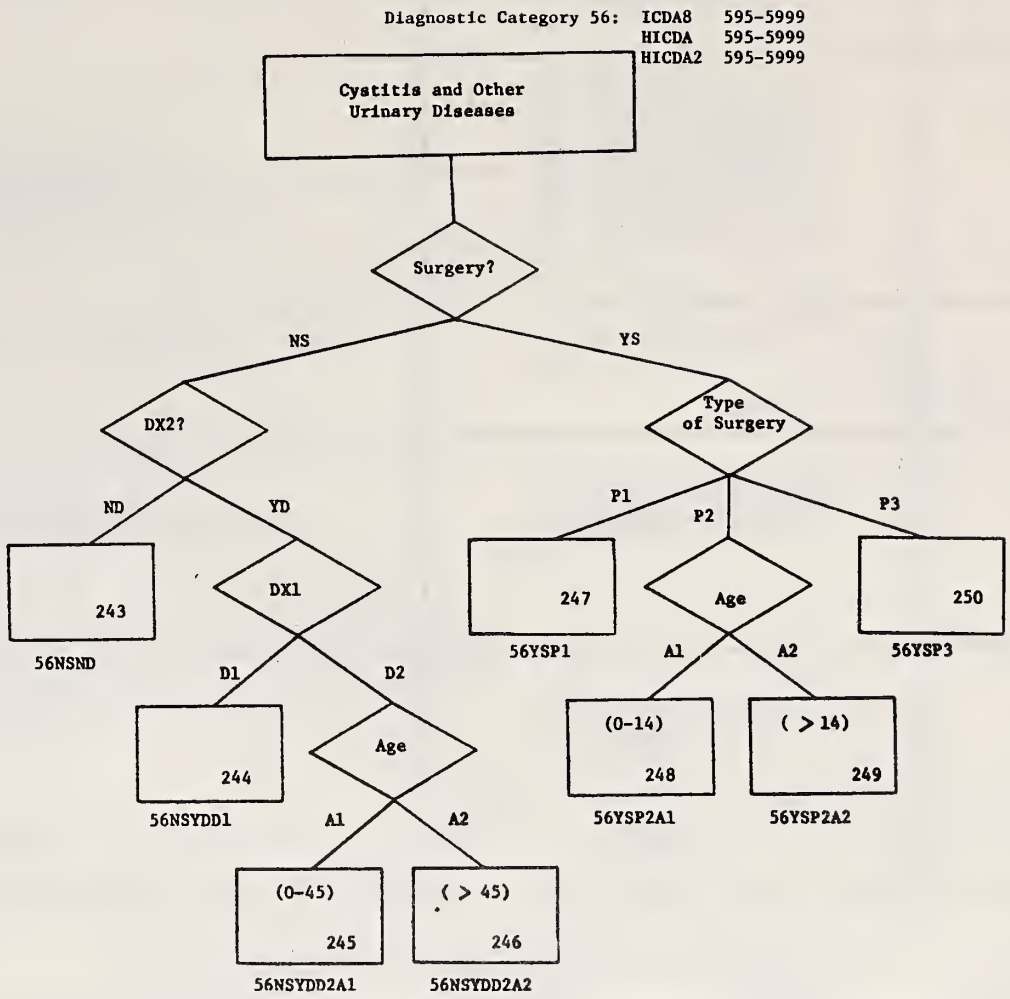
OPER1

925	CYSTOURETHROSCOPY
560	TUR FR REMOVAL FR URETER
598	URETERAL CATHETERIZATION
570	TUR FR REMOVAL-BLADDER
585	URETHRAL DILATION
573	TUP EXCISION BLADDER LES
561	URETERAL HEATOTOMY
924	PROCTOSIGMOIDOSCOPY

P2

OPER1

562	URETEROTOMY
552	PYELOTOMY & PYELOSTOMY
551	NEPHRECTOMY & NEPHROSTOMY
571	CYSTOTOMY
555	TOTAL NEPHRECTOMY
554	PARTIAL NEPHRECTOMY
602	TRANSURETH PROSTATECTOMY
580	EXTERNAL URETHROTOMY
568	URETERORRHAPHY


Diagnostic Category 56: ICDA8 595-5999
HICDA 595-5999
HICDA2 595-5999
Cystitis and Other Urinary Diseases
Surgery?
NS
YS
DX2?
Type of Surgery
ND
YD
P1
P2
P3
243
56NSND
DX1
247
56YSP1
Age
250
56YSP3
D1
D2
A1
A2
244
56NSYDD1
Age
(0-14)
248
56YSP2A1
(> 14)
249
56YSP2A2
A1
A2
(0-45)
245
56NSYDD2A1
(> 45)
246
56NSYDD2A2

56 Cystitis and Other Urinary Diseases

ICDA8

D1

DX1

5950 CYSTITIS
5980 STRICTURE OF URETHRA
595 CYSTITIS
598 STRICTURE OF URETHRA
5962 CONTRACTURE OF BLADDER (SPHINCTER)
5970 URETHRITIS (NONVENEREAL)
597 URETHRITIS (NONVENEREAL)

D2

DX1

5990 URINARY TRACT INFECTION NEC
5989 OTHER AND UNSPECIFIED DISEASES OF BLADDER
5599 OTHER AND UNSPECIFIED DISEASES OF URINARY TRACT
599 OTHER DISEASES OF URINARY TRACT
59e1 DIVERTICULUM OF BLADDER (ACQUIRED)

P1

OPER1

571 MEATOTOMY
725 REPAIR AND PLASTIC OPERATIONS ON VULVA AND PERINEUM

P2

OPER1

A46 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
575 DILATION OF URETHRA
574 REPAIR AND PLASTIC OPERATIONS ON URETHRA
572 EXCISION OR DESTRUCTION OF LESION OF URETHRA
5e1 LOCAL EXCISION AND DESTRUCTION LESION OF BLADDER, TRANS
579 OTHER OPERATIONS ON URETHRA
557 PASSAGE OF CATHETER TO KIDNEY
421 BIOPSY (CONTINUED)OF URINARY TRACT

P3

OPER1

582 PROSTATECTOMY, TRANSURETHRAL
560 CYSTOTOMY
A45 ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
566 REPAIR AND OTHER PLASTIC OPERATIONS ON BLADDER
555 ANASTOMOSIS OF URETER
568 REMOVAL OF CALCULUS AND DRAINAGE OF BLADDER WITHOUT INC
552 URETEROSTOMY, CUTANEOUS OR EXTERNAL
563 CYSTECTOMY, COMPLETE OR PARTIAL
711 LOCAL EXCISION AND DESTRUCTION OF LESION OF VAGINA
554 NEPHRECTOMY, PARTIAL
713 COLPORRHAPHY
553 URETERO-ENTEROSTOMY
558 URETEROLYSIS
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY

565 RECONSTRUCTION OPERATION ON BLADDER

HICDA

D1

DX1

5950 CYSTITIS
5980 STRICTURE OF URETHRA
5962 CONTRACTURE OF BLADDER
5970 URETHRITIS NONVENEREAL
5965 ATONY OF BLADDER

D2

DX1

5999 URIN TRACT DIS OTH / UN
5966 NEUROGENIC BLADDER NOS
5969 BLADDER DIS OTHER / UNS
5990 PERIURETHRAL INFECTION
5993 URETHRA DIS OTH / UNSPE

P1

OPER1

941 MEATOTOMY URETHRAL
232 TONSILLECTOMY W ADENOID

P2

OPER1

916 NONSURG CYSTOSCOPY URET
649 URETHRAL OPERATION OTHE
647 DILATATION OF URETHRA
622 TRANSURETH EXC BLAD LES
642 EXCIS URETHRAL LESION
936 RETROGRADE PYELOGRAPHY
935 INTRAVENOUS PYELOGRAPHY
644 PLASTIC / REPAIR URETHR
640 URETHROTOMY EXTERNAL
628 BIOPSY BLAD PERIVES TIS
623 LOC EXCIS URIN BLAD LES
629 BLADDER OPERATIONS OTHE
610 URETEROTOMY

P3

OPER1

652 PROSTATECTOMY TRANSURET
620 CYSTOTOMY
681 PROSTATECTOMY SUPRAPUBI
621 CYSTOSTOMY
915 NONSURG ENDOSCOPY
634 PLAS REP OF BLADDER OTH
615 ANASTOMOSIS OF URETER
624 PARTIAL CYSTECTOMY
619 PLASTIC / REP OF URETER
734 PLAS REP VAG CYSTOCELE
637 PLAS URETHROVES SUS OTH
655 PROSTATECTOMY OTHER
613 URETEROSTOMY CUTAN EXT
380 BONE MARROW ASPIRATION
645 CONSTRUCTION OF URETHRA
475 COLOSTOMY

HICDA2

D1

DX1

5959 CYSTITIS NOS
5950 ACUTE CYSTITIS
5951 CHRONIC CYSTITIS
5989 URETHRAL STRICTURE NEC
5970 NONVENEREAL URETHRITIS
5962 CONTRACTURE OF BLADDER
5930 URETHR STRICT FROM INFEC
5952 TRIGONITIS

D2

DX1

5995 URIN TRACT INFECTION NOS
5966 NEUROGENIC BLADDER NEC
5999 URINARY DISEASE NEC/NOS
5996 OBSTRUCTIVE UROPATHY NOS
5990 PERIURETHRAL INFECTION
5965 ATONY OF BLADDER

P1

OPER1

581 URETHRAL MEATOTOMY

P2

OPER1

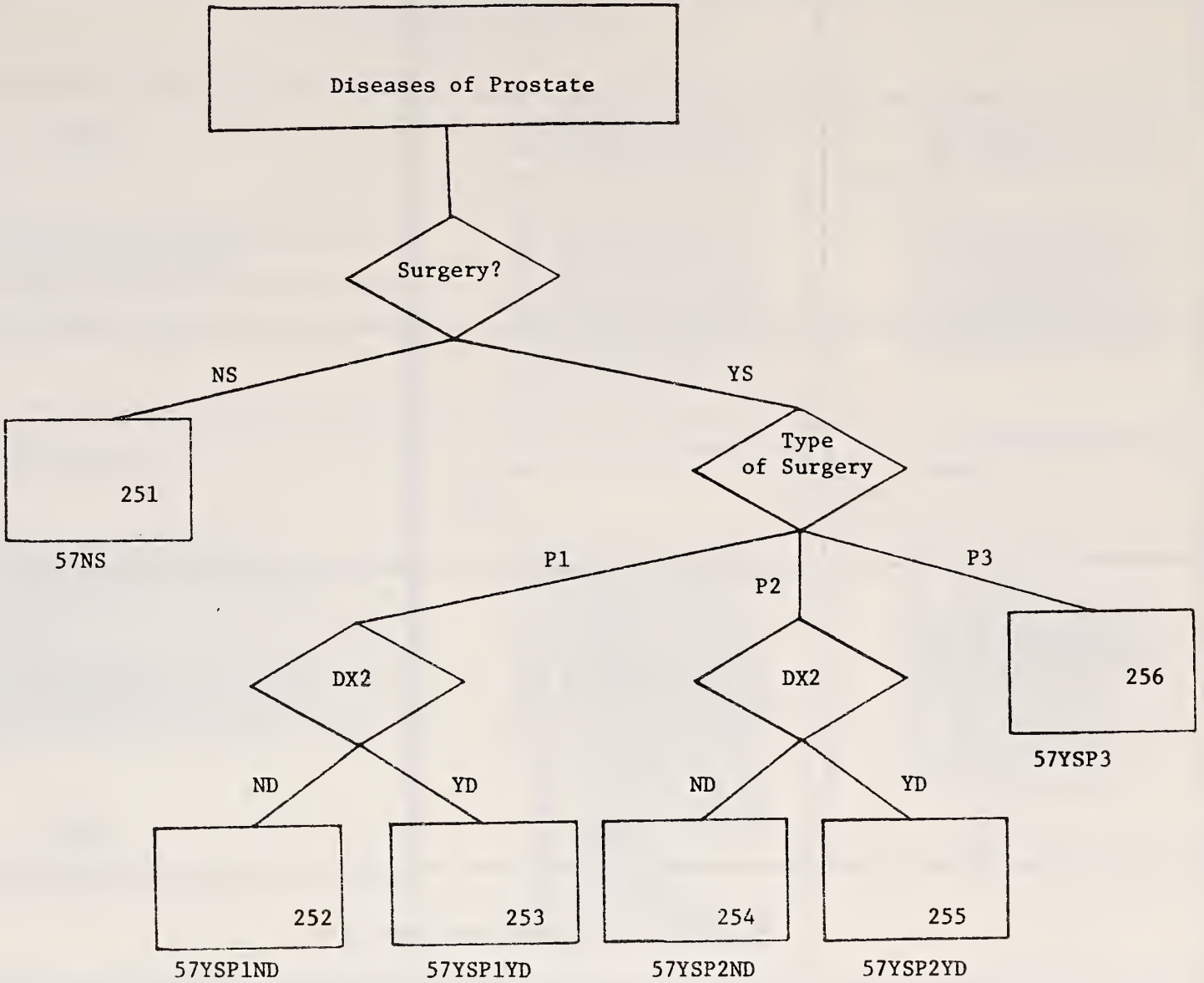
925 CYSTOURETHROSCOPY
585 URETHRAL DILATION
584 URETHROLYSIS
573 TUR EXCISION BLADDER LES
582 EXCISION URETHRAL LESION
583 URETHROPLASTY
574 EXCISION BLADDER LES NEC

P3

OPER1

602 TRANSURETH PROSTATECTOMY
572 CYSTOSTOMY
924 PROCTOSIGMOIDOSCOPY
571 CYSTOTOMY
578 BLAST REPAIR BLADDER NEC
570 TUR FB REMOVAL-BLADDER
702 EXCISION VAGINAL LESION
706 VAGINAL REPAIR-PLAS NEC
511 CHOLECYSTECTOMY
564 URETERO-ILEAL CONDUIT
704 CYSTORECTOCELE REPAIR
575 PARTIAL CYSTECTOMY
576 TOTAL CYSTECTOMY
568 URETERORRHAPHY

Diagnostic Category 57: ICDA8 600-6020
HICDA 600-6029
HICDA2 2222, 600-6029



57 Diseases of Prostate

ICDA8

P1

OPER1

A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
575	DILATION OF URETHRA
A22	BIOPSY OF MALE GENITAL ORGANS
561	LOCAL EXCISION AND DESTRUCTION LESION OF BLADDER, TRANS
557	PASSAGE OF CATHETER TO KIDNEY

P2

OPER1

582	PROSTATECTOMY, TRANSURETHRAL
583	PROSTATECTOMY, OTHER
56J	CYSTOTOMY

P3

OPER1

581	PROSTATECTOMY, SUPRAPUBIC

HICDA

P1

OPER1

916	NONSURG CYSTOSCOPY URET
658	BIOP PROST PERIPROST TI
622	TRANSURETH EXC BLAD LES
647	DILATATION OF URETHRA
649	URETHRAL OPERATION, OTHE
617	URETERAL CATHETERIZATIO

P2

OPER1

652	PROSTATECTOMY TRANSURET

P3

OPER1

651	PROSTATECTOMY SUPRAPUBI
655	PROSTATECTOMY OTHER
570	REP HERN INGUIN NONRECU
653	PROSTATECTOMY PERINEAL
625	COMPLETE CYSTECTOMY

HICDA2

P1

OPER1

925	CYSTOURETHROSCOPY
585	URETHRAL DILATION
600	PERCUTAN PROSTATIC PUNCT
573	TUR EXCISION BLADDER LES
581	URETHRAL MEATOTOMY

P2

OPER1

602	TRANSURETH PROSTATECTOMY
606	PROSTATECTOMY NEC

P3

OPER1

603	SUPRAPUBIC PROSTATECTOMY
604	RETROPUBIC PROSTATECTOMY

70 Congenital Anomalies
(Cont'd)

ICDA8

YS02P1

OPER1

302	CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
881	DIVISION OF MUSCLE, TENDON AND FASCIA
802	DIVISION OF BONES OF FOOT AND TOES
803	REMOVAL OF FIXATION DEVICE (INTERNAL)
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU

YS02P2

OPER1

931	PLASTIC OPERATIONS ON LIP AND MOUTH
965	OPERATION FOR CORRECTION OF CLEFT PALATE
872	REPAIR AND PLASTIC OPERATIONS ON JOINTS OF FOOT AND TOE
887	OTHER PLASTIC OPERATIONS ON TENDON AND FASCIA
875	ARTHRODESIS AND STABILIZATION OF FOOT AND ANKLE
804	EXCISION OF BONE, PARTIAL
861	DIVISION OF CAPSULE, CARTILAGE OR LIGAMENT
812	FUSION OF BONE
885	TRANSPLANTATION OF MUSCLE AND TENDON
A27	BIOPSY OF BONE
816	TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT
803	DIVISION OF OTHER BONES
873	REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS
819	OTHER REPAIR AND PLASTIC OPERATIONS ON BONES
891	DIVISION OF MUSCLE, TENDON, AND FASCIA OF HAND
863	EXCISION AND DESTRUCTION OF LESION OF JOINT
966	OTHER OPERATIONS ON PALATE
685	LIGATION AND DIVISION OF FALLOPIAN TUBES BILATERAL
A28	OTHER BIOPSY OF MUSCULOSKELETAL SYSTEM

HICDA

YS02P1

OPER1

320	CATHETERIZATION HEART
801	DIVISION OF BONE
842	PLAS / REP FOOT TOE JTS
441	PYLOROMYOTOMY
857	TENDON PLAS EXC HAND OT
120	DISCIS OF LENS CATARACT
125	EXTRACT LENS INTRACAPSU
095	RESECTION MUS TEND OCUL
875	AMPUT / DISARTIC OF TOE
847	CLOS REDUCT JT DISLOC
915	NONSURG CYSTOSCOPY URET
891	LOC EXC SKIN SUBCUT LES
153	BLEPHAROPLASTY
807	REMOVE INT FIXATION DEV
176	PLASTIC OPER EXT AUD CA

YS02P2

OPER1

901	PLAS OPER LIP EXT MOUTH
414	CLEFT PALAT CORRECT OPE
802	LOC EXCIS OF BONE LESIO
803	PARTIAL EXCISION OF BON
804	COMPLETE OSTECTOMY
800	INCISION OF BONE WO DIV
831	DIV CAPSULE CARTIL LIGA
936	RETROGRADE PYELOGRAPHY
920	ESOPHAGOS THRU GASTROST
900	Z-PLASTY WO EXCISION
830	ARTHROTOMY
816	TRACT FIX WO MANIP REOC
915	NONSURG ENDOSCOPY
906	ATTACH PED NOT LIP HAND
903	FREE SKIN GRAFT OTH LOC
950	ARTERIOGRAPHY HEAD NECK
861	DIV HAND MUS TEND FASCI
855	TRANSPL MUS TEN EXC HAN
668	BIOPSY OF MALE REPRO OR
850	INC MUSCLE TENO EXC HAN
415	PALATE OPERATIONS OTHER
940	ARTHROGRAPHY
629	BLADDER OPERATIONS OTHE
839	EXCIS JOINT STRUCT OTHE
863	RESECT MUSC TEND OF HAN
946	RADIOISOTOPE SCAN EXAMI
605	PLASTIC / REPAIR KIDNEY
820	CL REDUCT BNE WO INT FI
600	NEPHRECTOMY
817	LENGTHENING OF BONE
956	VENOGRAPHY
812	FUSION OF BONE
808	BIOPSY OF BONE
527	BIOP LIVER PERCUTANEOUS
328	ELECTRIC DEFIBRILLATION
335	RECONST INTRATHOR GRAFT
637	PLAS URETHROVES SUS OTH

HICDA2

YS02P1

oper1

933	CARDIAC CATHETERIZATION
781	DIVISION OF BONE
838	MUSC TENO FASC PLAST NEC
832	DIVIS-MUSCLE TENDON FASC
925	CYSTOURETHROSCOPY
218	NASAL REPAIR & PLASTIC
885	EXCISION SKIN LESION
543	EXCISION ABD WALL LESION
226	ACCESSORY SINUS PLASTIC
839	MUSC TEND FASC OP NEC

YS02P2

oper1

275	PALATOPLASTY
893	PLASTIC OP LIP & MOUTH
811	ARTHRODESIS-FOOT & ANKLE
803	JOINT CAPSULE DIVISION
783	EXCISION BONE LESION
837	MUSCLE TENDON TRANSPLANT
789	BONE OPERATION NEC
797	CLOSED REDUCTION-DISLOC
784	PARTIAL OSTECTOMY
790	CLOSED REDUCTION-FX
813	ARTHROPLASTY-FOOT OR TOE
821	DIVIS HAND-MUSC TENO FAS
804	EXCISION JOINT LESION
802	ARTHROTOMY
302	PARTIAL LARYNGECTOMY NEC

70 Congenital Anomalies

(Cont'd)

ICDA8

YS02P3

OPER1

295	OPERATIONS ON ATRIUM, SEPTUM, AND VENTRICLE WITHOUT PRO
284	REPAIR AND ANASTOMOSIS OF THORACIC AORTA OR PULMONARY A
292	OPERATIONS ON VALVES OF HEART WITHOUT TISSUE OR INERT G
296	OPERATIONS ON ATRIUM, SEPTUM, AND VENTRICLE WITH PROSTH
877	CLOSED REDUCTION OF DISLOCATION OF JOINT
294	OPERATIONS ON VALVES OF HEART WITH INERT MATERIAL
671	ARTHROPLASTY OF HIP WITH MECHANICAL PROSTHETIC DEVICE
931	DIVISION OF FEMUR
090	ORBITOTOMY
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
293	OPERATIONS ON VALVES OF HEART WITH TISSUE OR GRAFT
329	THORACOTOMY AND PLEUROTOMY

YS03

OX1

7462	CONG ANOM-TETRALOGY OF FALLOT
7522	CONG ANOM-HYPOSPADIAS
7473	CONG ANOM-PATENT DUCTUS ARTERIOSUS
7471	CONG ANOM-COARCTATION OF AORTA
7461	CONG ANOM-TRANSPOSITION OF GREAT VESSELS
7498	CONG ANOM-OTHER SPECIFIED ANOMALIES OF HEART
7531	CONG ANOM-CYSTIC KIDNEY DISEASE
742	CONGENITAL HYDROCEPHALUS
7419	SPINA BIFIDA-WITHOUT MENTION OF HYDROCEPHALUS
7473	CONG ANOM-STENOSIS OR ATRESIA OF PULMONARY ARTERY
7410	SPINA BIFIDA-WITH HYDROCEPHALUS
7560	CONG ANOM-ANOMALIES OF SKULL AND FACE BONES
7513	CONG ANOM-ATRESIA AND STENOSIS OF RECTUM AND ANAL CANAL
7532	CONG ANOM-OBSTRUCTIVE DEFECTS OF URINARY TRACT
7514	CONG ANOM-OTHER ANOMALIES OF INTESTINE
7474	CONG ANOM-ANOMALIES OF GREAT VEINS
7534	CONG ANOM-OTHER SPECIFIED ANOMALIES OF URETER
7538	CONG ANOM-OTHER SPECIFIED ANOMALIES OF BLADDER AND URETH
7460	CONG ANOM-COMMON TRUNCUS

HICDA

YS02P3

OPER1

314	ATRIUM OPER NO PROST OP
156	LEVATOR PALP MUSCLE OPE
334	REP ANASTOMOS THOR AORT
845	ARTHRODESIS FOOT / ANKL
841	ARTHROPLAS HIP W MEC DE
843	PLASTIC / REP OTH JOINT
840	ARTHROPLAS HIP NO DEVIC
844	OPEN REDUCT JT DISLOC
351	EXPLORATORY LAPAROTOMY
311	HRT VALV OPER OP NO TIS
313	HRT VALV OPER INERT MAT
010	CRANIOTOMY
013	URETEROSTOMY CUTAN EXT
560	SUTURE ABD WALL PERITON
004	COMPLETE NEPHRECTOMY
380	INCIS PERIPHERAL VESSEL
350	INCIS INTRA-ABD BLD VES

YSD3

OX1

7531	CONG CYSTIC KIDNEY DIS
7522	HYPOSPADIAS
7469	CONG ANOM HEART UNSPEC
7419	SPINA BIFI W HYDROCEPH
7470	PATENT DUCTUS ARTERIOSU
7420	CONGENITAL HYDROCEPHALU
7532	CONG OBST DEF OF URETER
7510	MECKEL S DIVERTICULUM
7468	CONG ANOM HEART OTH SPE
7462	TETRALOGY OF FALLOT
7560	CONG ANOM SKULL FACE BN
7514	CONG ANOM INTESTINE OTH
7567	CONG ANOM GEN SKEL OTH
7460	CONG COMMON TRUNCUS
7443	CONGENITAL CATARACT
7410	SPINA BIFIDA W HYDROCEP
7473	CONG STENO OF PULM ART
7516	CONG ANOM GB / LIVER OT
7513	CONG ATRES STENO OF REC
7476	CONG ANOM PERI VASC OTH
7966	CONG OSTEOGENESIS IMPER
7538	CONG ANOM URETH OTH SPE

HICDA2

YS02P3

oper1

357	ATRIOVENT REPAIR NEC
350	CLOSED HEART VALVULOTOMY
347	CHEST WALL REPAIR
845	TOE AMPUTATION
542	LAPAROTOMY
392	SHUNT & GRAFT BYPASS NEC
558	RENAL REPAIR-PLASTIC NEC
352	HEART VALVE REPLACEMENT
390	SYSTEMIC-PULM ART SHUNT
549	ABDOMINAL WALL OP NEC
552	PYELOTOMY & PYELOSTOMY
554	PARTIAL NEPHRECTOMY
847	BELOW KNEE AMPUTATION
387	OCCLUSION OF VESSEL NEC
815	TOTAL HIP REPLACEMENT
351	OPEN HEART VALVULOTOMY
567	URETERAL ANASTOMOSIS NEC
385	VEIN EXCISION NEC

YS03

dx1

7472	HEART ANOMALY NEC
7522	HYPOSPADIAS
7450	TETRALOGY OF FALLOT
7531	CYSTIC KIDNEY DISEASE
7444	PATENT DUCTUS ARTERIOSUS
7532	CONGEN URETERAL OBSTRUC
7455	COARCTATION OF AORTA
7400	HYOROCEPHALUS
7411	MYELOMENINGOCELE
7538	CYSTOURETHRA ANOMALY NEC
7460	GREAT ARTERY TRANSPOSIT
7534	URETERAL ANOMALY NEC
7560	SKULL-FACE BONE ANOMALY
7567	GEN'L SKELETAL ANOM NEC
7513	RECTAL ATRESIA
7410	MENINGOCELE
7458	PULM ARTERY STENOSIS
7514	INTESTINAL ANOMALY NEC

70 Congenital Anomalies
(Cont'd)

ICDA8

YS03P1

OPER1

302	CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
446	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
574	REPAIR AND PLASTIC OPERATIONS ON URETHRA
516	REPAIR AND PLASTIC OPERATION ON ANUS
575	DILATION OF URETHRA
483	PLASTIC REPAIR OF ARTIFICIAL STOMA AND INTESTINE
875	ARTHRODESIS AND STABILIZATION OF FOOT AND ANKLE
288	VENOUS ANASTOMOSIS, INTRATHORACIC VEINS
571	MEATOTOMY

YS03P2

OPER1

284	REPAIR AND ANASTOMOSIS OF THORACIC AORTA OR PULMONARY A
614	REPAIR AND PLASTIC OPERATION ON PENIS
024	REVISION OR REMOVAL OF SHUNT
022	VENTRICULAR DRAINAGE OR SHUNTING
296	OPERATIONS ON ATRIUM, SEPTUM, AND VENTRICLE WITH PROSTH
295	OPERATIONS ON ATRIUM, SEPTUM, AND VENTRICLE WITHOUT PRO
010	CRANIOTOMY
292	OPERATIONS ON VALVES OF HEART WITHOUT TISSUE OR HEART G
545	NEPHRECTOMY, COMPLETE
474	RESECTION OF SMALL INTESTINE
020	CRANIOPLASTY (REPAIR OF SKULL)
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
546	REPAIR AND PLASTIC OPERATIONS ON KIDNEY
555	ANASTOMOSIS OF URETER
320	THORACOTOMY AND PLEUROTOMY

HICDA

YS03P1

OPER1

320	CATHETERIZATION HEART
684	PLASTIC / REP OF PENIS
682	CIRCUMCISION
515	PLASTIC / REPAIR OF ANU
916	NONSURG CYSTOSCOPY URET
125	EXTRACT LENS INTRACAPSU
644	PLASTIC / REPAIR URETHR
649	URETHRAL OPERATION OTHE
538	BIOPSY OF BILIARY TRACT
711	ABD HYSTERECTOMY TOTAL
220	LARYNGOTOMY TRACHEOTOMY
667	ORCHIOPEXY
461	LOC EXCIS SM INTEST LES
645	CONSTRUCTION OF URETHRA
642	EXCIS URETHRAL LESION
637	PLAS URETHROVES SUS OTH
184	STAPEDECTOMY
628	BIOPSY BLAD PERIVES TIS
622	TRANSURETH EXC BLAD LES
609	KIDNEY OPERATION OTHER
608	BIOP KIDNEY PERIREN TIS
819	PLAS / REP BONE OPER OT
360	INCIS PERIPHERAL VESSEL
133	PHOTOCOAGUL REATTACH RE

YS03P2

OPER1

334	REP ANASTOMOS THOR ACRT
351	EXPLORATORY LAPAROTOMY
955	ARTERIOGRAPHY OTHER
314	ATRIUM OPER W PROST DE
023	VENTRIC SHUNT OR ANASTO
600	NEPHROTOMY
024	REVIS OF VENTRIC SHUNT
020	CRANIOPLASTY
382	SPLENECTOMY
604	COMPLETE NEPHRECTOMY
594	KIDNEY DIALYSIS
997	SPINAL PUNCTURE
315	ATRIUM OPER W PROST DEV
030	LAMINECTOMY
034	PLASTIC OPER SPINAL COR
652	PROSTATECTOMY TRANSURET
463	RESECTION SMALL INTEST
033	EXCIS SPINAL CORD LESIO
010	CRANIOTOMY
502	LOC EXCIS KIDNEY LESION
322	VENTRICULOSTOMY

HICDA2

YS03P1

oper1

933	CARDIAC CATHETERIZATION
925	CYSTOURETHROSCOPY
644	BALANOPLASTY
583	URETHROPLASTY
585	URETHRAL DILATION
581	URETHRAL MEATOTOMY
496	ANAL REPAIR & PLASTIC
641	CIRCUMCISION

YS03P2

oper1

387	OCCLUSION OF VESSEL NEC
390	SYSTEMIC-PULM ART SHUNT
024	VENT SHUNT REVISION
333	VESSEL RESECTION & GRAFT
392	SHUNT & GRAFT BYPASS NEC
020	CRANIOPLASTY
023	VENTRICULAR SHUNT
357	ATRIOVENT REPAIR NEC
558	RENAL REPAIR-PLASTIC NEC
034	SPINAL CORD PLASTIC
382	VESSEL RESECT & REANAST
011	CRANIOTOMY
555	TOTAL NEPHRECTOMY
545	LYSIS PERITONEAL ADHES
022	VENTRICULOSTOMY
554	PARTIAL NEPHRECTOMY
542	LAPAROTOMY
567	URETERAL ANASTOMOSIS NEC
551	NEPHROTOMY & NEPHROSTOMY
550	PERCUTANEOUS RENAL PUNCT
553	EXCISION RENAL LESION
483	RECTAL PULL-THRO RESECT
465	ARTIFICIAL STOMA CLOSURE
574	EXCISION BLADDER LES NEC
033	EXCIS SPINAL CORD LESION
463	INTRA-ABD BOWEL MANIPULA
502	EXCISION LIVER LESION
832	DIVIS-MUSCLE TENDON FASC
837	MUSCLE TENDON TRANSPLANT

70 Congenital Anomalies
(Cont'd)

ICDA8

YS04

CX1

7561 CONG ANOM-ANOMALIES OF LUMBOSACRAL JOINT
7562 CONG ANOM-OTHER ANOMALIES OF SPINE
7512 CONG ANOM-HIRSCHSPRUNG'S DISEASE
7503 CONG ANOM-ESOPHAGEAL ATRESIA AND STENOSIS
7476 CONG ANOM-OTHER ANOMALIES OF PERIPHERAL VASCULAR SYSTEM
7472 CONG ANOM-OTHER ANOMALIES OF AORTA
7502 CONG ANOM- TRACHEO-ESOPHAGEAL FISTULA
7484 CONG ANOM-CONGENITAL CYSTIC LUNG
7478 CONG ANOM-OTHER SPECIFIED ANOMALIES OF CIRCULATORY SYSTE
7508 CONG ANOM-OTHER SPECIFIED

HICDA

YS04

OX1

7561 CONG ANOM LUMBOSAC JOIN
7562 CONG ANOM OF SPINE OTHE
7472 CONG ANOM OF AORTA OTHE
7466 CONG ANOM OF HEART VALV
7512 HIRSCHSPRUNG S DISEASE
7477 CONG ANOM CEREBROVASC S
7508 CONG ANOM UP GI OTH SPE
7503 CONG ESOPH ATRESIA STEN

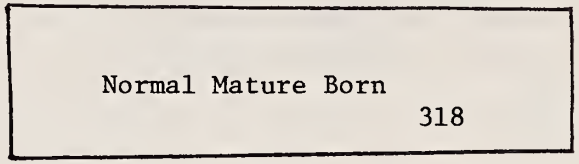
HICDA2

YSD4

dx1

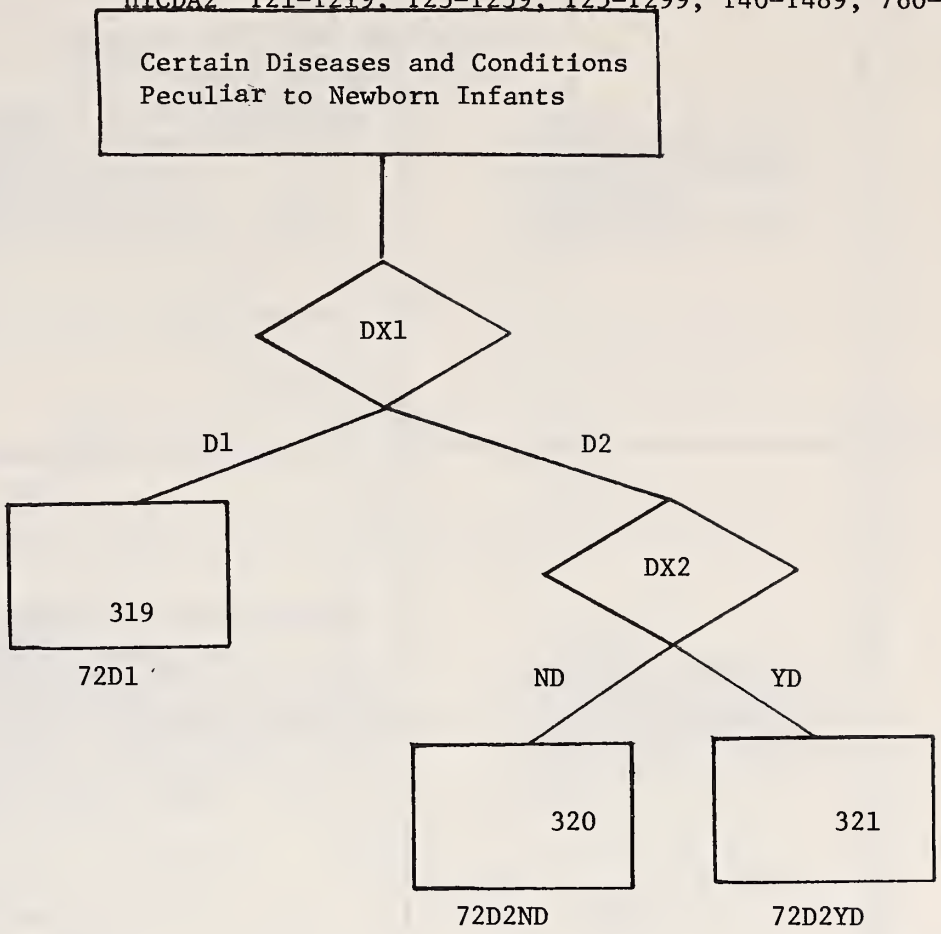
7561 LUMBOSAC SPONDYLOLISTHES
7512 HIRSCHSPRUNG'S DISEASE
7563 SPINE ANOMALY NEC
7504 ESOPHAGEAL ANOMALY NEC
7477 PERIPH VASC ANOMALY NEC
7502 MOUTH-PHARYNX ANOM NEC
7473 GREAT ARTERY ANOMALY NEC
7503 TRACHEO-ESOPHAG FISTULA
7476 CEREBROVASCULAR ANOMALY
7506 GASTRIC ANOMALY NEC
7515 BILIARY DUCT ATRESIA
7484 CONGENITAL CYSTIC LUNG
7486 LUNG ANOMALY NEC

Diagnostic Category 71: ICDA8 Y20-Y209, Y22-Y239, Y26-Y279
HICDA Y200-Y209
HICDA2 Y20-Y209, Y22-Y229, Y24-Y249



71

Diagnostic Category 72: ICDA8 Y21-Y219, Y24-Y259, Y28-Y299, Y005, 760-7799
HICDA 7720-7769, 7770, 7771-7789, Y210-Y320, Y005, Y60-Y699
HICDA2 Y21-Y219, Y23-Y239, Y25-Y299, Y40-Y489, 760-7689



72 Certain Diseases and Conditions Peculiar to Newborn Infants

ICDA8

01

DX1

7789 OTHER CONDITIONS OF FETUS OR NEWBORN-OTHER
Y005 WELL BABY AND CHILD CARE
7781 -POSTMATURITY
7769 ANOXIC AND HYPOXIC CONDITIONS -ASPHYXIA OF NEWBORN, UNS
776D ANOXIC AND HYPOXIC CONDITIONS -ASPIRATION OF CONTENT OF
7759 HEMOLYTIC DISEASE OF NEWBORN WITHOUT MENTION OF KERNICTE
7782 -HEMORRHAGIC DISEASE OF NEWBORN
7751 HEMOLYTIC DISEASE OF NEWBORN WITHOUT MENTION OF KERNICTE
7611 DISEASES IN MOTHER-DIABETES MELLITUS
7750 HEMOLYTIC DISEASE OF NEWBORN WITHOUT MENTION OF KERNICTE
7799 FETAL DEATH OF UNKNOWN CAUSE-OTHER
7613 DISEASES IN MOTHER-RUBELLA
7729 BIRTH INJURY WITHOUT MENTION OF CAUSE-OTHER AND UNSPECIF
7691 DIF LAB,MALPOS OF FETUS-PREMATURE RUPTURE OF MEMBRANES

02

DX1

Y21 SINGLE BORN, IMMATURE
Y210 SINGLE BORN, IMMATURE-SPONTANEOUS DELIVERY
7762 ANOXIC AND HYPOXIC CONDITIONS -RESPIRATORY DISTRESS SYN
Y24 TWIN, IMMATURE, WITH MATE LIVEBORN
777 IMMATURITY, UNQUALIFIED
Y211 SINGLE BORN, IMMATURE-LOW FORCEPS DELIVERY
Y213 SINGLE BORN, IMMATURE-CESAREAN SECTION
777J IMMATURITY, UNQUALIFIED
Y240 TWIN, IMMATURE, WITH MATE LIVEBORN-SPONTANEOUS DELIVERY
Y219 SINGLE BORN, IMMATURE-OTHER
7761 ANOXIC AND HYPOXIC CONDITIONS -HYALINE MEMBRANE DISEASE

HICDA

01

CX1

7786 PHYSIOLOGIC JAUND NEWBN
Y005 WELL BABY AND CHILD CAR
7741 HEMOLY DIS NEWBN W ABO
7749 HEMOLY DIS NEWBN NO CAU
7740 ASPIRAT CONT BIRTH CANA
7789 CONG FETUS OR NEWBN OTH
7782 HEMORR DISEASE NEWBORN
7740 HEMOLY DIS NEWBN WITH R

02

DX1

7770 PREMATURITY
Y210 SINGLE IMMATURE SPONT
7762 RESP DISTRESS SYN NEWBN
7771 DYSMATURITY
7787 KERNICTERUS
7769 ASPHYXIA OF NEWBORN UNS
Y213 SINGLE IMMATURE C-SEC
Y211 SINGLE IMMATURE LOW F
7761 HYALINE MEMBRANE DISEAS
Y240 TWIN IMM MATE LIVE SPON

HICDA2

01

dx1

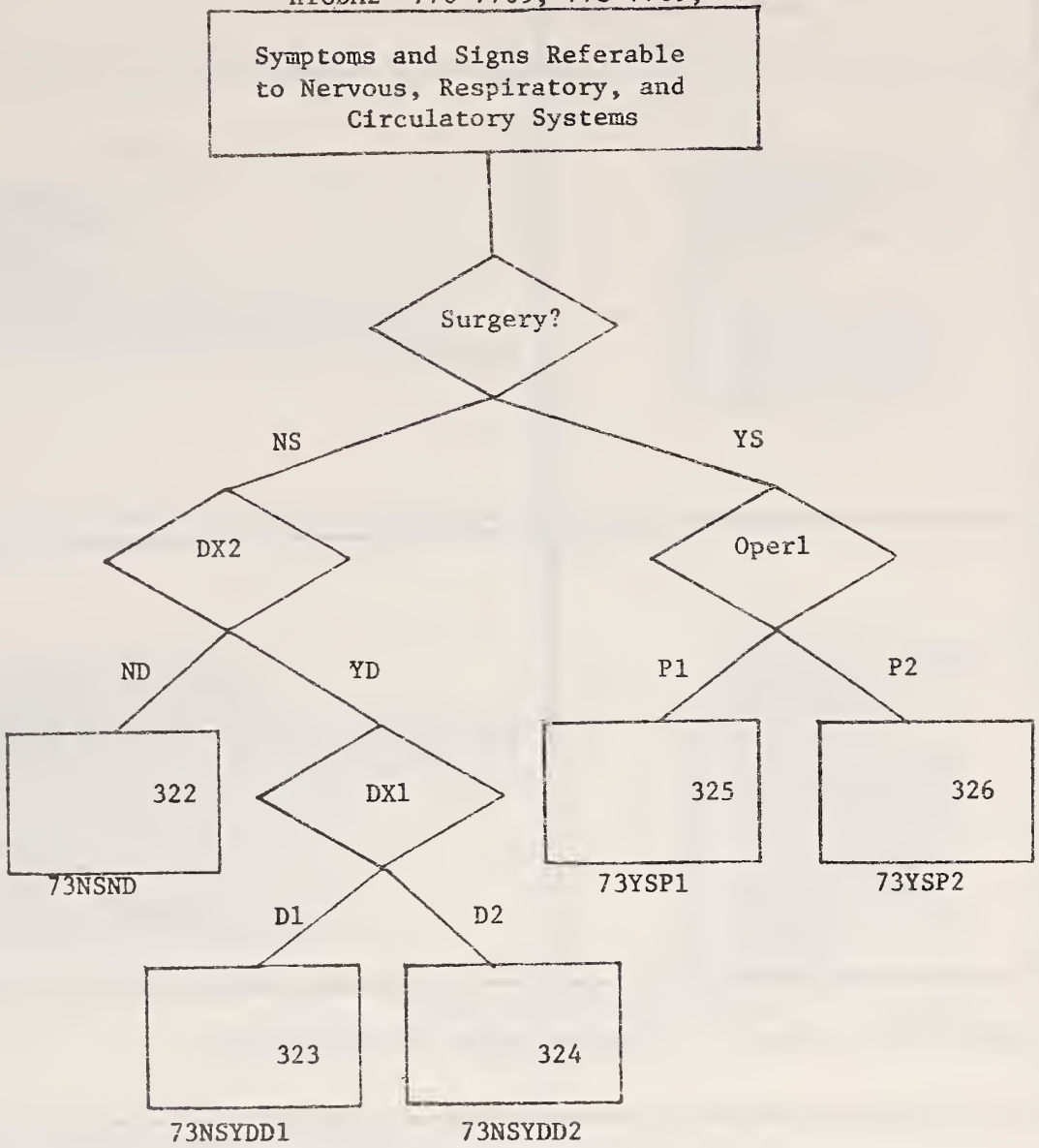
7632 PHYSIOLOGIC JAUNDICE NEC
Y260 SING TERM NONHOSP NB-SPO
7621 ABO HEMOLYTIC NB DISEASE
7604 POST-TERM INFANT
7629 HEMOLYTIC NB DISEASE NOS
7603 FETAL MALNUTRITION
Y406 MATERNAL-DIABETES
7620 RH HEMOLYTIC NB DISEASE
7682 OMPHALITIS
7670 MECONIUM PLUG SYNDROME
7633 JAUND-DELAY CONJUGAT NEC

02

dx1

Y210 SINGLE PREM HOSP NB-SPON
Y211 SINGLE PREM HOSP NB-LF
Y213 SINGLE PREM HOSP NB-CS
7654 RESP DISTRESS SYNDROME
Y230 TWIN PREM HOSP NB-SPON
7601 PRE-TERM INFANT NEC
Y214 SING PREM HOSP NB-BREECH
Y234 TWIN PREM HOSP NB-BREECH
Y231 TWIN PREM HOSP NB-LF
Y233 TWIN PREM HOSP NB-CS

Diagnostic Category 73: ICDA8 4432, 780-7808, 7814-7815, 7817-7823, 7825-7834, 7836-7837
HICDA 7800-7808, 7814-7815, 7817-7834, 7836-7838, 4432
HICDA2 770-7709, 773-7769, 778-7799



73 Symptoms and Signs Referable to Nervous, Respiratory, and Circulatory Systems

ICDA8

D1

OX1

7802 -CONVULSIONS
7837 SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM-PAIN IN CHEST
7825 -SYNCOPE OR COLLAPSE
7830 -EPISTAXIS
7803 -ABNORMAL INVOLUNTARY MOVEMENT
7804 -DISTURBANCE OF COORDINATION
7800 -COMA AND STUPOR
7827 -ENLARGMENT OF LYMPH NODE

D2

OX1

7832 -DYSPNEA
7817 -ENCEPHALOPATHY
7805 -VERTIGO
7831 -HEMOPTYSIS
7826 -EDEMA AND DROPSY
7822 -TACHYCARDIA
7815 -DISTURBANCE OF SPEECH
7828 -SPLENOMEGALY

HICDA

D1

DX1

7837 PAIN IN CHEST
7825 SYNCOPE OR COLLAPSE
7802 CONVULSIONS
7830 EPISTAXIS
7803 ABNORMAL INVOL MOVEMENT
7804 DISTURB OF COORDINATION
7822 TACHYCARDIA

D2

DX1

7805 VERTIGO
7832 DYSPNEA
7826 EDEMA AND DROPSY
7831 HEMOPTYSIS
7829 SHOCK NC MENTION TRAUMA
7817 ENCEPHALOPATHY
7800 COMA AND STUPOR
7820 PRECORDIAL PAIN
7815 DISTURBANCE OF SPEECH

HICDA2

D1

dx1

7703 CONVULSIONS
7740 CHEST PAIN
7755 SYNCOPE & COLLAPSE
7761 EPISTAXIS
7732 ABN BREATH BEHAVIOUR NEC
7742 TACHYCARDIA

D2

dx1

7704 VERTIGO
7709 ENCEPHALOPATHY
7781 DYSPNEA
7791 HEMOPTYSIS
7700 COMA
7756 EDEMA & DROPSY
7788 RESP INSUFFICIENCY NOS
7705 GIDDINESS
7756 SPEECH DISTURBANCE
7758 SPLENOMEGALY
7706 HALLUCINATIONS

73 Symptoms and Signs Referable to Nervous, Respiratory, and Circulatory Systems
(Cont'd)

ICDA8

P1

OPER1

A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
195	OTHER OPERATIONS ON NOSE
251	SIMPLE EXCISION OF LYMPH NODES AND LYMPH CYSTS
302	CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
A26	OTHER BIOPSY OF CIRCULATORY AND LYMPHATIC SYSTEMS
268	SUTURE AND LIGATION, BLOOD VESSELS OF HEAD AND NECK, OA
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU

P2

OPER1

A42	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
A27	BIOPSY OF BONE
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
059	OTHER OPERATIONS ON SYMPATHETIC NERVES OR GANGLIA
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
304	INSERTION OF ELECTRONIC DEVICE, HEART
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A29	BIOPSY OF SKIN AND SUBCUTANEOUS TISSUE
305	REPLACEMENT OF ELECTRONIC HEART DEVICE
320	THORACOTOMY AND PLEUROTOMY
A19	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
213	ADENOIDECTOMY WITHOUT TONSILLECTOMY
196	RADICAL SINUSOTOMY MAXILLARY
010	CRANIOTOMY
A28	OTHER BIOPSY OF MUSCULOSKELETAL SYSTEM
692	ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
045	NEUROPLASTY OF PERIPHERAL NERVE
252	RADICAL EXCISION OF LYMPHATIC STRUCTURE
391	EXPLORATORY LAPARUTOMY OR CELIOTOMY

HICDA

P1

OPER1

209	NOSE OPERATIONS OTHER
320	CATHETERIZATION HEART
913	NONSURG BRONCHOSCOPY
348	SUTURE LIG BLD VES HEAD
378	BIOPSY OF LYMPH NODES
371	SIMPLE EXCIS LYMPH NODE
206	RHINOPLASTY INTERNAL
891	LOC EXC SKIN SUBCUT LES
898	BIOPSY SKIN SUBCUTAN TI
398	BIOPSY OF BREAST

P2

OPER1

997	SPINAL PUNCTURE
946	RADIOISOTOPE SCAN EXAMI
950	ARTERIOGRAPHY HEAD NECK
380	BONE MARROW ASPIRATION
916	NONSURG CYSTOSCOPY URET
915	NONSURG ENDOSCOPY
324	INSERTION OF PACEMAKER
952	ANGIOCARDIOGRAPHY
930	ENCEPHALOGRAPHY VENTRIC
951	EXPLORATORY LAPARUTOMY
652	PROSTATECTOMY TRANSURET
971	PHYSICAL THERAPY
914	NONSURG ESOPHAGOSCOPY
931	MYELOGRAPHY
527	BIOP LIVER PERCUTANEOUS
229	LARYNGOTOMY TRACHEOTOMY
261	THORACENTESIS
382	SPLENECTOMY
935	INTRAVENOUS PYELOGRAPHY
360	INCIS PERIPHERAL VESSEL

HICDA2

P1

oper1

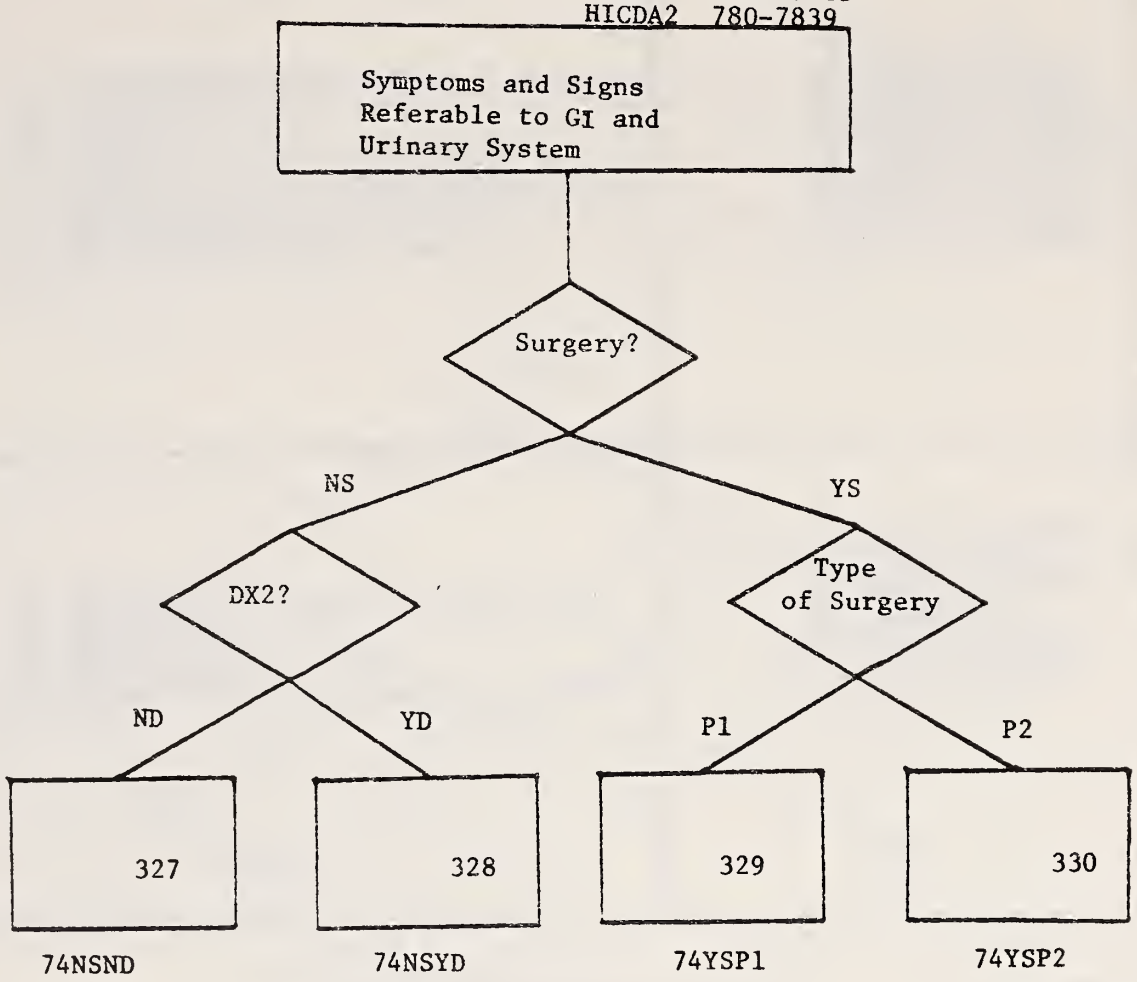
922	BRONCHOSCOPY
210	CONTROL OF EPISTAXIS
401	SIMPLE EXCIS LYMPH NODE
933	CARDIAC CATHETERIZATION
218	NASAL REPAIR & PLASTIC
215	SUR NASAL SEPTUM
885	EXCISION SKIN LESION
890	SKIN & SUBCUT SUTURE

P2

oper1

924	PROCTOSIGMOIDOSCOPY
923	ESOPHAGOGASTROSCOPY
377	PACEMAKER IMPLANTATION
403	RADICAL NECK DISSECTION
925	CYSTOURETHROSCOPY
047	PERIPH NEUROPLASTY NEC
921	LARYNGOTRACHEOSCOPY
311	TEMPORARY TRACHEOSTOMY
387	OCCLUSION OF VESSEL NEC
380	ANGIOTOMY
051	SYMPATH NERVE EXCISION
341	THORACOTOMY
378	REMOVAL OF PACEMAKER
500	PERCUTANEOUS LIVER ASPIR
783	EXCISION BONE LESION
934	INSERT TRANSVEN PACEMAK
340	THORACENTESIS
602.	TRANSURETH PROSTATECTOMY
321	EXCISION LESION BRONCHUS
011	CRANIOTOMY

Diagnostic Category 74: ICDA8 784-7865
HICDA 7840-7865
HICDA2 780-7839



74 Symptoms and Signs Referable to GI and Urinary System

ICDA8

P1

OPER1

A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
575	DILATION OF URETHRA
703	DILATION AND CURETTAGE OF UTERUS
411	APPENDECTOMY
A53	PERITONEOSCOPY
716	DILATION OF VAGINA
A42	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
A49	OTHER ENDOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
A27	BIOPSY OF BONE

P2

OPER1

574	REPAIR AND PLASTIC OPERATIONS ON URETHRA
694	VAGINAL HYSTERECTOMY TOTAL AND SUBTOTAL
582	PROSTATECTOMY, TRANSURETHRAL
692	ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
714	PLASTIC REPAIR OF CYSTOCELE AND/OR RECTOCELE
560	CYSTOTOMY
A19	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
713	COLPORRHAPHY
581	PROSTATECTOMY, SUPRAPUBIC
583	PROSTATECTOMY, OTHER
560	REPAIR AND OTHER PLASTIC OPERATIONS ON BLADDER
579	OTHER OPERATIONS ON URETHRA
516	REPAIR AND PLASTIC OPERATION ON ANUS

HICDA

P1

OPER1

913	NONSURG ENDOSCOPY
915	NONSURG CYSTOSCOPY URET
914	NONSURG ESOPHAGOSCOPY
527	BIOP LIVER PERCUTANEOUS
554	ABDOMINAL PARACENTESIS
923	PERITONEOSCOPY
647	DILATATION OF URETHRA
641	MEATOTOMY URETHRAL
491	APPENDECTOMY
719	UTERINE D / C NON OBSTE
617	URETERAL CATHETERIZATIO
912	NONSURG LAPAROSCOPY
699	URETHRAL OPERATION OTHE
926	REM BLDR CALCULUS NO IN
501	LOC EXCIS RECTAL LESION

P2

OPER1

637	PLAS URETHROVES SUS OTH
652	PROSTATECTOMY TRANSURET
551	EXPLORATORY LAPAROTOMY
734	PLAS NEC VAG CYSTOCELE
713	VAG HYSTERECT TOTAL PAR
935	INTRAVENOUS PYELOGRAPHY
446	VAGOTOMY
443	PARTIAL GASTRECTOMY
651	PROSTATECTOMY SUPRAPUBI
946	RADIOISOTOPE SCAN EXAMI
470	RESECT COLON SEGMENTAL
711	ABD HYSTERECTOMY TOTAL
920	ESOPHAGOS THRU GASTROST
380	BONE MARROW ASPIRATION
936	RETROGRADE PYELOGRAPHY
438	BIOPSY OF ESOPHAGUS
443	BIOPSY OF STOMACH

HICDA2

P1

oper1

924	PROCTOSIGMOIDOSCOPY
925	CYSTOURETHROSCOPY
923	ESOPHAGOGASTROSCOPY
585	URETHRAL DILATION
690	D&C
914	LAPAROSCOPY
470	APPENDECTOMY
482	EXCISION RECTAL LESION
581	URETHRAL MEATOTOMY
929	NONSURG ENDOSCOPY NEC

P2

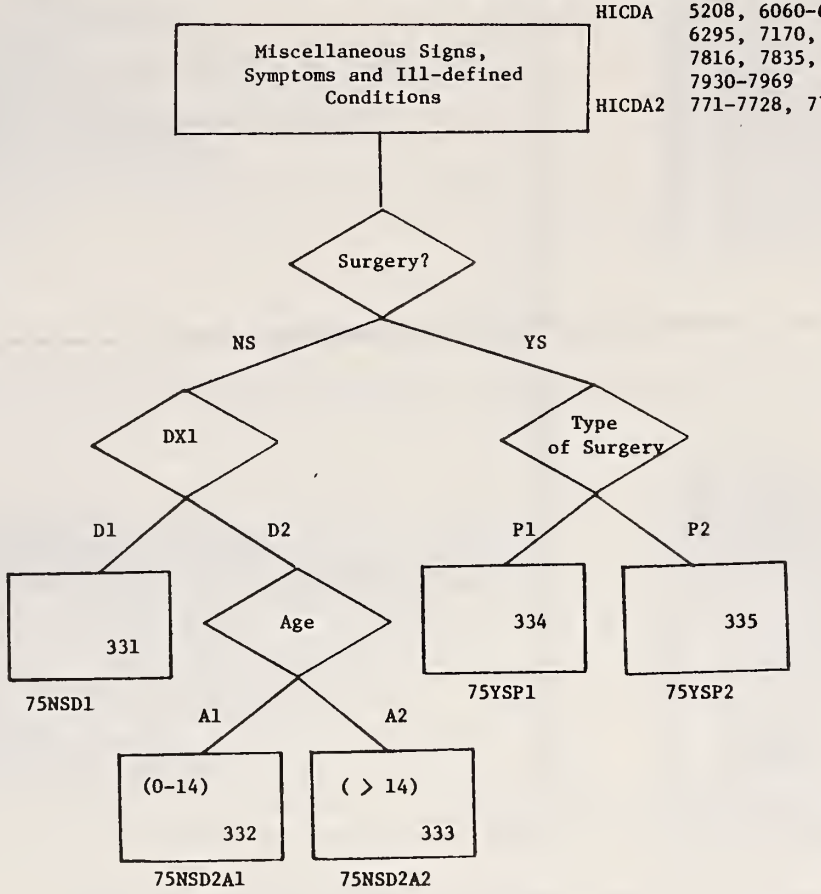
oper1

595	URETHRAL SUSPENSION
542	LAPAROTOMY
602	TRANSURETH PROSTATECTOMY
684	VAGINAL HYSTERECTOMY
683	TOTAL ABD HYSTERECTOMY
706	VAGINAL REPAIR-PLAS NEC
704	CYSTORECTOCELE REPAIR
500	PERCUTANEOUS LIVER ASPIR
511	CHOLECYSTECTOMY
502	EXCISION LIVER LESION
540	ABDOMINAL PARACENTESIS
455	SUBTOT RESECT-LG BOWEL
583	URETHROPLASTY
572	CYSTOSTOMY
594	SUPRAPUBIC URETH SLING
603	SUPRAPUBIC PROSTATECTOMY
885	EXCISION SKIN LESION
582	EXCISION URETHRAL LESION

Diagnostic Category 75: ICDA8 606-6060, 628-6280, 6293, 6295, 7810-7813, 7816, 7835, 7866-7889, 790-7910, 793-7969

HICDA 5208, 6060-6069, 6280-6289, 6293, 6295, 7170, 7280, 7287, 7810-7813, 7816, 7835, 7866-7889, 7900-7910, 7930-7969

HICDA2 771-7728, 777-7779, 784-7969



75 Miscellaneous Signs, Symptoms, and Ill-defined Conditions

ICDA8

D1

DX1

7938 OBSERVATION, WITHOUT NEED FOR FURTHER MEDICAL CARE-OTHER
7939 OBSERVATION, WITHOUT NEED FOR FURTHER MEDICAL CARE-UNSPE
7867 -PAIN REFERABLE TO GENITAL ORGANS, INCLUDING DYSPAREUNIA
628 STERILITY, FEMALE
6295 OTHER DISEASES OF FEMALE GENITAL ORGANS-VAGINAL BLEEDING
7931 OBSERVATION, WITHOUT NEED FOR FURTHER MEDICAL CARE-SUSPE
6290 STERILITY, FEMALE

D2

DX1

7886 -PYREXIA OF UNKNOWN ORIGIN
7840 -ELECTROLYTE DISORDERS
7910 HEADACHE
7960 UNKNOWN CAUSES,MORBID & MORTALITY-DEFINED AND UNKNOWN CA
791 HEADACHE
7871 -PAIN IN LIMB
7902 DEPRESSION
7889 OTHER GENERAL SYMPTOMS-OTHER SPECIFIED SYMPTOMS NOT CLAS
7969 UNKNOWN CAUSES,MORBID & MORTALITY-DEFINED AND UNKNOWN CA
7873 -PAIN IN JOINT
7811 -COULOMOTOR DISTURBANCE
7901 DEBILITY AND UNDUE FATIGUE
7816 -OTHER DISTURBANCE OF SENSATION
7884 -LOSS OF WEIGHT

HICDA

D1

DX1

7933 OBSERV CTH SPEC REASON
7867 PAIN REFERABLE GENIT OR
7939 OBSERVATION UNSPECIFIED
6295 VAGINAL BLEEDING
7931 OBSERV SUSP MAL NEOPLAS
7933 OBSERV AFTER ACCIDENT
7835 CHANGE IN VOICE
7810 DISTURB OF VISION NOS
7934 OBSERV AFTER SUSP RAPE

D2

DX1

7880 DEHYDRATION
7887 ALKALOS / OTH ELECTR DI
7960 ILL-DEF COND MORBID OTH
7910 HEADACHE
7888 PYREXIA UNKNOWN ORGIN
7287 LUMBALGIA
7902 DEPRESSION OF FUNCT ACT
7840 SENILITY
7901 DEBILITY / UNDUE FATIGU
7871 PAIN IN LIMB
7884 LOSS OF WEIGHT
7873 PAIN IN JOINT
7886 ACIDOSIS

HICDA2

D1

dx1

7938 OBSERVATION NEC
7853 VAGINAL BLEEDING NOS
7933 OBSERVAT AFTER ACCIDENT
7852 FEMALE GENITAL PAIN NEC
7939 OBSERVATION NOS
7856 FEMALE GENITAL MASS NEC
7857 FEMALE STERILITY
7715 VISUAL DISTURBANCE NEC
7931 OBSERVATION FOR NEOPLASM
7935 OBSERVAT-SUSPECT POISON
7874 BREAST SYMPTOM NEC
7930 MENTAL OBSERVATION

D2

dx1

7922 FEVER OF UNKNOWN ORIGIN
7891 PAIN IN BACK
7902 DEHYDRATION NEC
7920 HEADACHE
7892 CHEST WALL PAIN
7903 ELECTROLYTE DISORDER NEC
7963 RESPIRATORY FAILURE
7915 PHYSICAL RETARDATION
7969 UNDIAGNOSED DISEASE
7831 PAIN IN LIMB
7927 MALAISE & FATIGUE
7893 MUSCLE PAIN NOS
7883 JOINT PAIN
7911 LOSS OF WEIGHT
7914 FEEDING PROBLEM NOS

75 Miscellaneous Signs, Symptoms, and Ill-defined Conditions (Cont'd)

ICDA8

P1

OPER1

703	DILATION AND CURETTAGE OF UTERUS
A53	PERITONEOSCOPY
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
716	DILATION OF VAGINA
332	CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
592	EXCISION OF VARICOCELE OF SPERMATIC CORD
A42	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
A22	BIOPSY OF MALE GENITAL ORGANS
686	INSUFFLATION OF FALLOPIAN TUBE
A54	CULDOSCOPY
702	LOCAL EXCISION AND DESTRUCTION OF OTHER LESIONS OF UTER
689	OTHER OPERATIONS ON FALLOPIAN TUBE
411	APPENDECTOMY
713	COLPORRHAPHY

P2

OPER1

692	ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
684	REPAIR AND PLASTIC OPERATION ON FALLOPIAN TUBE
A27	BIOPSY OF BONE
A45	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
683	SALPINGOSTOMY AND ANASTOMOSIS
A44	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
971	LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY
718	INCISION OF PELVIC PERITONEUM FOR DRAINAGE AND FREEING
A19	BIOPSY OF BILIARY TRACT, SPLEEN AND PANCREAS
673	SALPINGO-OOPHORECTOMY, UNILATERAL
205	EMERGENCY TRACHEOTOMY OR TRACHEOSTOMY
A26	OTHER BIOPSY OF CIRCULATORY AND LYMPHATIC SYSTEMS
032	CHORDOTOMY
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
701	HYSTEROMYOMECTOMY
675	SALPINGO-OOPHORECTOMY, BILATERAL
404	EXCISION OF BONE, PARTIAL
A28	OTHER BIOPSY OF MUSCULOSKELETAL SYSTEM

HICDA

P1

OPER1

719	UTERINE D / C NON OBSTE
916	NONSURG CYSTOSCOPY URET
923	PERITONEOSCOPY
912	NONSURG LARYNGOSCOPY
223	BIOPSY LARYNX / TRACHEA
705	LIG / DIV FALLOP T BILA
722	CONIZATION OF CERVIX
320	CATHETERIZATION HEART
898	BIOPSY SKIN SUBCUTAN TI
832	ARTHROCENTESIS
738	BIOPSY OF VAGINA
391	PARTIAL MASTECTOMY
647	DILATATION OF URETHRA
830	ARTHROTOMY
221	EXCIS LES LARYNX TRACHE

P2

OPER1

380	BONE MARROW ASPIRATION
931	MYELOGRAPHY
971	PHYSICAL THERAPY
915	NONSURG ENDOSCOPY
711	ABD HYSTERECTOMY TOTAL
597	SPINAL PUNCTURE
713	VAG HYSTERECT TOTAL PAR
950	ARTERIOGRAPHY HEAD NECK
946	RADIOISOTOPE SCAN EXAMI
891	LOC EXC SKIN SUBCUT LES
935	INTRAVENOUS PYELOGRAPHY
841	ARTHROPLAS HIP & MEC DE
551	EXPLORATORY LAPAROTOMY
914	NONSURG ESOPHAGOSCOPY
047	NERVE BLOCK PERIPHERAL
527	BIOP LIVER PERCUTANEOUS
031	RHIZOTOMY / RADICULECT
220	LARYNGOTOMY TRACHEOTOMY
658	BIOP PROST PERIPROST TI
033	LAMINECTOMY
652	PROSTATECTOMY TRANSURET
040	EXPLORATION PERIPH NERV
695	SALPING-OOPHORECT BILAT
039	SPINAL CORD OPER OTHER
801	DIVISION OF BONE

HICDA2

P1

oper1

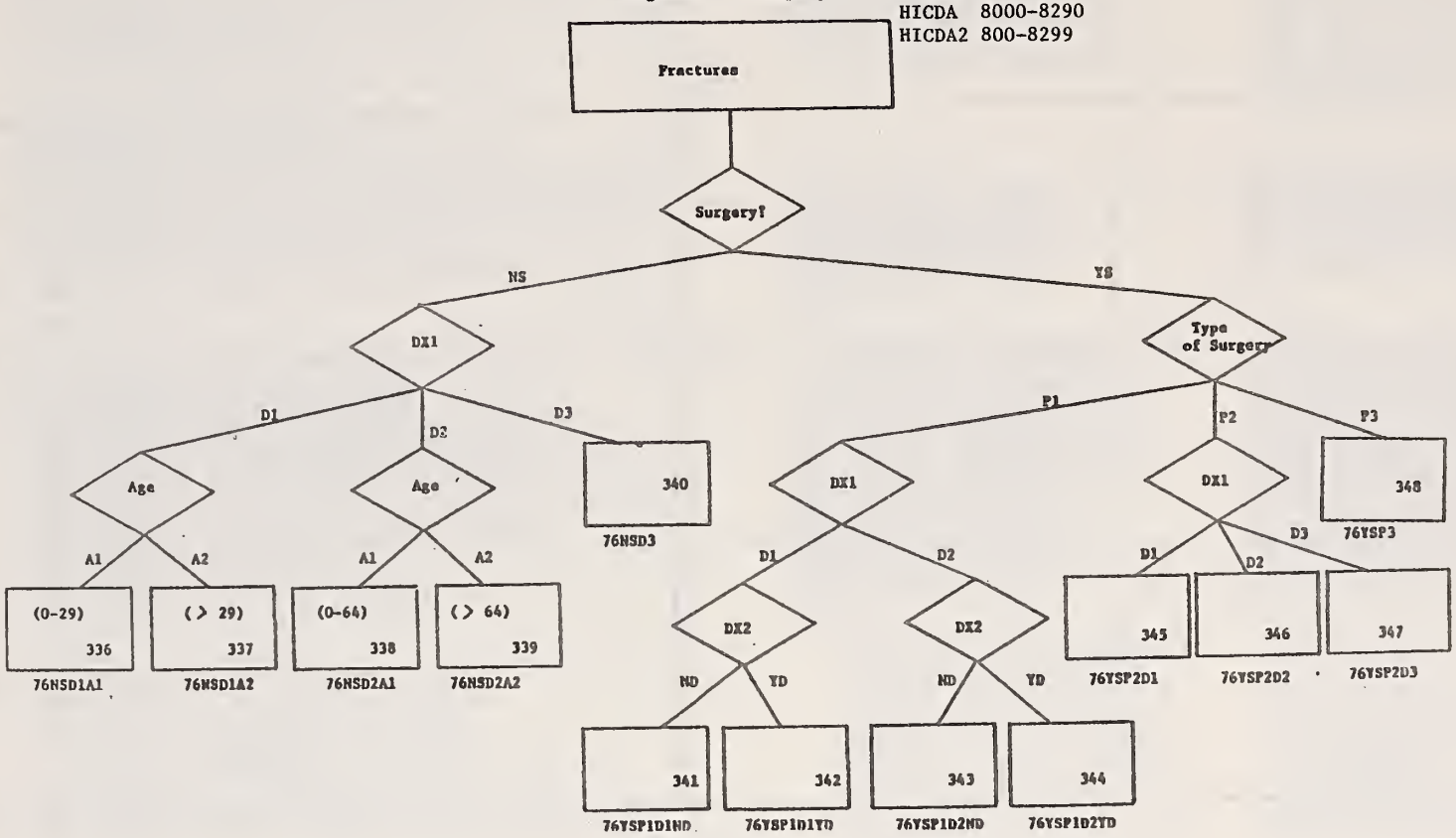
914	LAPAROSCOPY
690	D&C
860	EXCISION BREAST LESION
925	CYSTOURETHROSCOPY
885	EXCISION SKIN LESION
665	ENDOSCOP BIL TUBE LIGAT
921	LARYNGOTRACHEOSCOPY
621	EXCISION TESTICULAR LES
933	CARDIAC CATHETERIZATION
664	BILAT TUBE LIGATION NEC
802	ARTHROTOMY
800	ARTHROCENTESIS
585	URETHRAL DILATION
630	VARICOCELECTOMY

P2

oper1

683	TOTAL ABD HYSTERECTOMY
542	LAPAROTOMY
684	VAGINAL HYSTERECTOMY
924	PROCTOSIGMOIDOSCOPY
666	TUBAL REPAIR & PLASTIC
833	EXCIS LES-MUSC TEND BURS
923	ESOPHAGOGASTROSCOPY
785	TOTAL OSTECTOMY
545	LYSIS PERITONEAL ADHES
649	PENILE OPERATION NEC
805	EXCISION INTERVERT DISC
733	EXCISION BONE LESION
706	VAGINAL REPAIR-PLAS NEC
804	EXCISION JOINT LESION
681	EXCISION UTERINE LESION
651	EXCISION OVARIAN LESION
032	CHOROTOMY
788	REMOVE INTERNAL FIXATION

Diagnostic Category 76: ICDA8 800-8299
HICDA 8000-8290
HICDA2 800-8299



76 Fractures

ICDA8

NSD1

dx1

8010 FRACTURE OF VAULT OF SKULL-CLOSED
8230 FRACTURE OF TIBIA AND FIBULA-UPPER END OR UNSPECIFIED PA
8000 FRACTURE OF VAULT OF SKULL-CLOSED
8240 FRACTURE OF ANKLE-CLOSED
8024 FRACTURE OF FACE BONES-OTHER, CLOSED
8030 OTHER AND UNQUALIFIED SKULL FRACTURES-CLOSED
8250 FRACTURE OF ONE OR MORE TARSAL AND METATARSAL BONES-CLOS
8100 FRACTURE OF CLAVICLE-CLOSED
8130 FRACTURE OF RADIUS AND ULNA-UPPER END OR UNSPECIFIED PAR
8020 FRACTURE OF FACE BONES-NASAL BONES, CLOSED
8059 FRAC,DISC OF VERT COL,NO SPCORD LESION-LATE EFFECT, ANY
8134 FRACTURE OF RADIUS AND ULNA-LOWER END, CLOSED
8140 FRACTURE OF CARPAL BONE(S)-CLOSED
8160 FRACTURE OF ONE OR MORE PHALANGES OF HAND-CLOSED

NSD2

dx1

8052 FRAC,DISC OF VERT COL,NO SPCORD LESION-DORSAL (THORACIC)
8070 FRACTURE OF RIB(S), STERNUM, AND LARYNX-RIB(S), CLOSED
8120 FRACTURE OF HUMERUS-UPPER END, CLOSED
8050 FRAC,DISC OF VERT COL,NO SPCORD LESION-CERVICAL, CLOSED
8204 FRACTURES OF NECK OF FEMUR-OTHER AND UNSPECIFIED PART, C
8122 FRACTURE OF HUMERUS-SHAFT OR UNSPECIFIED PART, CLOSED
8054 FRAC,DISC OF VERT COL,NO SPCORD LESION-SACRUM AND COCCYX
8124 FRACTURE OF HUMERUS-LOWER END, CLOSED
8220 FRACTURE OF PATELLA-CLOSED
8232 FRACTURE OF TIBIA AND FIBULA-SHAFT, CLOSED

NSD3

dx1

8080 FRACTURE OF PELVIS-CLOSED
8200 FRACTURES OF NECK OF FEMUR-SEPARATION OF EPIPHYSIS, CLOS
8210 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-SHAFT O
8056 FRAC,DISC OF VERT COL,NO SPCORD LESION-UNSPECIFIED, CLOS
8212 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-LOWER E
8202 FRACTURES OF NECK OF FEMUR-INTERTROCHANTERIC SECTION, CL
8219 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-LATE EF
8209 FRACTURES OF NECK OF FEMUR-LATE EFFECT, ANY PART

HICDA

NSD1

DX1

8230 FRAC LOW LEG UPPER PT C
8240 FRACT ANKLE CLOSED
8134 FRAC FOREARM LOWER PT C
8010 FRACT SKULL BASE CLOSED
8100 FRACT OF CLAVICLE CLOSE
8140 FRACT CARPAL BONE CLOSE
8250 FRACT TARS METATAR CLOS
8130 FRAC LOW ARM UPPER PT C
8059 FRACT VERT LATE EFFECT
8030 FRACT SKULL UNSP CLOSED
8000 FRACT SKULL VAULT CLOSE
8020 FRACT NAS BONES CLOSED
8024 FRACT FACE BONE OTH CLD
8110 FRACT OF SCAPULA CLOSED
8232 FRACT LOW LEG SHAFT CLD
8150 FRACT METACARPAL CLOSED
8239 FRACT LOW LEG ANY PT L
8129 FRAC HUMER ANY PT LT EF
8130 FRACT HAND PHALANG CLOS

NSD2

DX1

8070 FRAC OF RIB CLOSED
8052 FRACT DORSAL CLOSED
8204 FRAC UP FEMUR NOS CLOSE
8120 FRACT HUMER UPPER CLOSE
8122 FRACT HUMER SHAFT CLOSE
8124 FRACT HUMER LOWER CLOSE
8220 FRACT PATELLA CLOSED
8050 FRACT CERVICAL CLOSED

NSD3

DX1

8080 FRACT OF PELVIS CLOSED
8054 FRACT LUMBAR CLOSED
8200 FRACT FEMUR NECK CLOSED
8202 FRAC TROCHANTERIC SEC C
8058 FRACT VERT UNSPECIFIED
8210 FRAC FEMUR SHAFT CLOSED
8209 FRAC UPPER FEMUR LT EFF
8212 FRAC FEMUR LOWER PT CLD
8219 FRAC FEMUR ANY PT LT EF

HICDA2

NSD1

DX1

8230 FX TIBIA-FIBUL URPER CLO
8010 SKULL BASE FX-CLOSED
8000 SKULL VAULT FX-CLOSED
8232 FX TIBIA-FIBUL SHAFT CLO
8030 FRACT SKULL NEC CLOSED
8134 FX RADIUS/ULNA LOWER CLD
8024 FX FACIAL BONE NEC-CLOSE
8100 FRACTURE CLAVICLE CLOSED
8250 FX TARSAL-METATAR CLOSED
8020 NASAL FRACTURE-CLOSED
8059 FRACT VERTEBRA LATE EFF
8246 FX TRIMALLEOLAR CLOSED
8240 FX MED MALLEOLUS CLOSED
8244 FX BIMALLEOLAR CLOSED
8130 FX RADIUS/ULNA UPPER CLO
8022 MANDIBLE FRACTURE-CLOSED
8239 FX TIBIA-FIBULA LATE EFF
8140 FRACTURE CARPAL CLOSED
8242 FX LAT MALLEOLUS CLOSED
8110 FRACTURE OF SCAPULA CLOS

NSD2

DX1

8070 FRACTURE OF RIB CLOSED
8052 FRACT DORSAL CLOSED
8120 FX UPPER HUMERUS CLOSED
8050 FRACT CERVICAL CLOSED
8204 FX FEMUR-UPPER END CLOS
8124 FX LOWER HUMERUS CLOSED
8122 FX HUMERUS SHAFT CLOSED
8220 FRACTURE PATELLA CLOSED
8056 FRACT SACRUM CLOSED
8072 FRACTURE OF STERNUM CLOS

NSD3

DX1

8054 FRACT LUMBAR CLOSED
8082 FRACTURE OF RIBIS CLOSED
8210 FX FEMORAL SHAFT CLOSED
8086 FRACTURE PELVIS NOS CLOS
8084 FRACTURE PELVIS NEC CLOS
8202 FX INTERTROCHANTERIC CLO
8200 FX NECK OF FEMUR CLOSED
8058 FRACT VERTEBRA NOS
8212 FX FEMUR-LOWER END CLOS
8080 FRACTURE ACETABULUM CLOS
8209 FX FEMUR-UPPER END LATE
8219 FRACTURE FEMUR LATE EFF
8064 FX LUMB CLOS W CORD LES

76 Fractures
(Cont'd)

ICDA8

YSP1

oper1

830	CLOSED REDUCTION OF ANKLE FRACTURE
833	CLOSED REDUCTION OF WRIST FRACTURE
840	CLOSED REDUCTION OF ELBOW, KNEE OR SHOULDER REGION FRAC
194	REDUCTION OF FRACTURE OF NASAL BONES
984	CLOSED REDUCTION, MANDIBLE
981	OPEN REDUCTION, MALAR, ZYGOMA, AND ZYGOMATIC ARCH
985	OPEN REDUCTION, MANDIBLE
193	RHINOPLASTY AND REPAIR OF NOSE
803	DIVISION OF OTHER BONES
191	SECTION OF NASAL SEPTUM
810	BONE GRAFT WITHOUT METALLIC INTERNAL FIXATION

YSP1D1

dx1

3134	FRACTURE OF RADIUS AND ULNA-LOWER END, CLOSED
3020	FRACTURE OF FACE BONES-NASAL BONES, CLOSED
8130	FRACTURE OF RADIUS AND ULNA-UPPER END OR UNSPECIFIED PAR
3140	FRACTURE OF CARPAL BONE(S)-CLOSED
3029	FRACTURE OF FACE BONES-LATE EFFECT, ANY FACIAL BONE
3021	FRACTURE OF FACE BONES-NASAL BONES, OPEN
3169	FRACTURE OF ONE OR MORE PHALANGES OF HAND-LATE EFFECT
3149	FRACTURE OF CARPAL BONE(S)-LATE EFFECT
3232	FRACTURE OF TIBIA AND FIBULA-SHAFT, CLOSED

YSP1D2

dx1

3240	FRACTURE OF ANKLE-CLOSED
3230	FRACTURE OF TIBIA AND FIBULA-UPPER END OR UNSPECIFIED PA
3022	FRACTURE OF FACE BONES-MANDIBLE, CLOSED
3024	FRACTURE OF FACE BONES-OTHER, CLOSED
3120	FRACTURE OF HUMERUS-UPPER END, CLOSED
3124	FRACTURE OF HUMERUS-LOWER END, CLOSED
3122	FRACTURE OF HUMERUS-SHAFT OR UNSPECIFIED PART, CLOSED
3023	FRACTURE OF FACE BONES-MANDIBLE, OPEN
3239	FRACTURE OF TIBIA AND FIBULA-LATE EFFECT, OTHER PART
3220	FRACTURE OF PATELLA-CLOSED
3212	FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-LOWER E
3210	FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-SHAFT O

HICDA

YSP1

OPER1

820	CL REDUCT BNE NG INT FI
847	CLOS REDUCT JT DISLOC
207	REDUCT OF NASAL FRACTUR
826	CL REDUCT MAXIL MANDIBL
830	ARTHROTOMY
343	PLASTIC / REP OTH JOINT
829	OP REDUCT MALAR ZYGOMA
206	RHINOPLASTY INTERNAL

YSP1D1

DX1

8134	FRAC LOW ARM LOWER PT C
8240	FRACT ANKLE CLOSED
8020	FRACT NAS BONES CLOSED
8130	FRAC LOW ARM UPPER PT C
8140	FRACT CARPAL BONE CLOSE
8110	FRACT OF SCAPULA CLOSED
8232	FRACT LOW LEG SHAFT CLO
8029	FRACT FACE BONE LATE EF
8132	FRAC LOW ARM SHAFT CLOS
8160	FRACT HAND PHALANG CLOS
8025	FRACT FACE BONE OTH OPE
8100	FRACT OF CLAVICLE CLOSE

YSP1D2

DX1

8230	FRAC LOW LEG UPPER PT C
8120	FRACT HUMER UPPER CLOSE
8124	FRACT HUMER LOWER CLOSE
8024	FRACT FACE BONE OTH CLO
8122	FRACT HUMER SHAFT CLOSE
8022	FRACT MANDIBLE CLOSED
8220	FRACT PATELLA CLOSED
8204	FRAC UP FEMUR NOS CLOSE
8210	FRAC FEMUR SHAFT CLOSED
8200	FRACT FEMUR UPPER PT CL
8250	FRACT TARS METATAR CLOS
8212	FRAC FEMUR LOWER PT CLO
8209	FRAC UPPER FEMUR PT EFF
8139	FRAC LOW ARM ANY PT LTE
8070	FRAC OF RIB CLOSED
8231	FRAC LOW LEG UPPER PT C
8202	FRAC TROCHANTERIC SEC C
8060	FRACT OF PELVIS CLOSED
8219	FRAC FEMUR ANY PT LT EF
8233	FRACT LOW LEG ANY PT LT
8010	FRACT SKULL BASE CLOSED
8150	FRACT METACARPAL CLOSED

HICDA2

YSP1

OPER1

790	CLOSED REDUCTION-FX
217	REDUCTION OF NASAL FX
762	CLOSED REDUCT-MAXIL MAND
797	CLOSED REDUCTION-DISLOC
763	OPEN REDUCT-MAXILLA MAND
802	ARTHROTOMY
761	OPEN REDUCT-MALAR ZYGOMA

YSP1D1

DX1

8134	FX RADIUS/ULNA LOWER CLO
8232	FX TIBIA-FIBUL SHAFT CLO
802D	NASAL FRACTURE-CLOSED
813D	FX RADIUS/ULNA UPPER CLO
814D	FRACTURE CARPAL CLOSED
8132	FX RADIUS/ULNA SHAFT CLO
8029	FX FACIAL-LATE EFFECT
8021	NASAL FRACTURE-OPEN
8160	FX PHALANX HAND CLOSED
8248	FRACTURE OF ANKLE NOS
810D	FRACTURE CLAVICLE CLOSED
8025	FX FACIAL BONE NEC-OPEN

YSP1D2

DX1

8230	FX TIBIA-FIBUL UPPER CLO
8024	FX FACIAL BONE NEC-CLOSE
8022	MANDIBLE FRACTURE-CLOSED
8246	FX TRIMALLEOLAR CLOSED
8124	FX LOWER HUMERUS CLOSED
812D	FX UPPER HUMERUS CLOSED
8250	FX TARSAL-METATAR CLOSED
8244	FX BIMALLEOLAR CLOSED
8220	FRACTURE PATELLA CLOSED
8210	FX FEMORAL SHAFT CLOSED
8122	FX HUMERUS SHAFT CLOSED
8242	FX LAT MALLEOLUS CLOSED
8212	FX FEMUR-LOWER END CLOS
8240	FX MED MALLEOLUS CLOSED
8023	MANDIBLE FRACTURE-OPEN
8139	FX RADIUS/ULNA LATE EFF

76 Fractures
(Cont'd)

ICDA8

YSP2D2

dx1

3240 FRACTURE OF ANKLE-CLOSED
3230 FRACTURE OF TIBIA AND FIBULA-UPPER END OR UNSPECIFIED PA
3220 FRACTURE OF PATELLA-CLOSED
3232 FRACTURE OF TIBIA AND FIBULA-SHAFT,CLOSED
3122 FRACTURE OF HUMERUS-SHAFT OR UNSPECIFIED PART, CLOSED
3249 FRACTURE OF ANKLE-LATE EFFECT
3209 FRACTURES OF NECK OF FEMUR-LATE EFFECT, ANY PART
3052 FRAC,OISC OF VERT COL,NO SPCORD LESION-DORSAL (THORACIC)
3239 FRACTURE OF TIBIA AND FIBULA-LATE EFFECT, EITHER PART
3024 FRACTURE OF FACE BONES-OTHER, CLOSED
3219 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-LATE EF
8140 FRACTURE OF CARPAL BONE(S)-CLOSED
3070 FRACTURE OF RIB(S), STERNUM, AND LARYNX-RIB(S), CLOSED
3251 FRACTURE OF ONE OR MORE TARSAL AND METATARSAL BONES-OPEN

YSP2D3

dx1

3210 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-SHAFT O
3120 FRACTURE OF HUMERUS-UPPER END, CLOSED
3241 FRACTURE OF ANKLE-OPEN
3231 FRACTURE OF TIBIA AND FIBULA-UPPER END OR UNSPECIFIED PA
3212 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-LOWER E
3204 FRACTURES OF NECK OF FEMUR-OTHER AND UNSPECIFIED PART, C
3080 FRACTURE OF PELVIS-CLOSED
3200 FRACTURES OF NECK OF FEMUR-SEPARATION OF EPIPHYSIS, CLOS
3010 FRACTURE OF VAULT OF SKULL-CLOSED
3000 FRACTURE OF VAULT OF SKULL-CLOSED
3213 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-LOWER E
3050 FRAC,DISC OF VERT COL,NO SPCORD LESION-CERVICAL, CLOSED
3233 FRACTURE OF TIBIA AND FIBULA-SHAFT, OPEN
3211 FRACTURE OF OTHER AND UNSPECIFIED PARTS OF FEMUR-SHAFT O
3030 OTHER AND UNQUALIFIED SKULL FRACTURES-CLOSED
8123 FRACTURE OF HUMERUS-SHAFT OR UNSPECIFIED PART, OPEN
8135 FRACTURE OF RADIUS AND ULNA-LOWER END, OPEN
3056 FRAC,DISC OF VERT COL,NO SPCORD LESION-UNSPECIFIED, CLOS

YSP3

oper1

325 OPEN REDUCTION OF INTERTROCHANTERIC FRACTURE WITH INTER
371 ARTHROPLASTY OF HIP WITH MECHANICAL PROSTHETIC DEVICE
329 OPEN REDUCTION OF OTHER HIP FRACTURE WITH INTERNAL FIXA
341 CLOSED REDUCTION OF ELBOW, KNEE OR SHOULDER REGION FRAC
315 INTERNAL FIXATION DEVICE WITHOUT FRACTURE REDUCTION
323 CLOSED REDUCTION OF INTERTROCHANTERIC FRACTURE WITH INS
374 SPINAL FUSION
327 CLOSED REDUCTION OF OTHER HIP FRACTURE WITH INSERTION O
921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
321 OPEN REDUCTION OF SEPARATED UPPER FEMORAL EPIPHYSIS WIT
030 LAMINECTOMY
320 THORACOTOMY AND PLEUROTOMY

HICDA

YSP2D2

OX1

8240 FRACT ANKLE CLOSED
8220 FRACT PATELLA CLOSED
8070 FRAC OF RIB CLOSED
8209 FRAC UPPER FEMUR LT EFF
3230 FRAC LOW LEG UPPER PT C
8022 FRACT MANDIBLE CLOSED
8052 FRACT DORSAL CLOSED
8219 FRAC FEMUR ANY PT LT EF
8122 FRACT HUMER SHAFT CLOSE
8239 FRACT LWR LEG ANY PT L
8024 FRACT FACE BONE OTH CLO
8232 FRACT LOW LEG SHAFT CLO
3059 FRACT VERT LATE EFFECT

YSP2D3

OX1

3204 FRAC UP FEMUR NOS CLOSE
8210 FRAC FEMUR SHAFT CLOSED
8054 FRACT LUMBAR CLOSED
8080 FRACT OF PELVIS CLOSED
8202 FRAC TROCHANTERIC SEC C
8200 FRACT FEMUR NECK CLOSED
8212 FRAC FEMUR LOWER PT CLO
8120 FRACT HUMER UPPER CLOSE
8231 FRAC LOW LEG UPPER PT O
8030 FRACT SKULL UNSP CLOSED
8058 FRACT VERT UNSPECIFIED
8010 FRACT SKULL BASE CLOSED
8050 FRACT CERVICAL CLOSED
8241 FRACT ANKLE OPEN
8000 FRACT SKULL VAULT CLOSE

YSP3

OPER1

823 OP REDUCT BNE W INT FIX
841 ARTHROPLAS HIP W MEC DE
821 CL REDUCT BNE W INT FIX
815 INT FIX WO FRACT REDUCT
822 OPN REDUCTN NO INT FIX
840 ARTHROPLAS HIP WO DEVIC

HICDA2

YSP2D2

OX1

8223 FRACTURE PATELLA CLOSED
8070 FRACTURE OF RIB CLOSED
8209 FX FEMUR-UPPER END LATE
0024 FX FACIAL BONE NEC-CLOSE
8219 FRACTURE FEMUR LATE EFF
8239 FX TIBIA-FIBULA LATE EFF
8230 FX TIBIA-FIBUL UPPER CLO
8232 FX TIBIA-FIBUL SHAFT CLO
8240 FX MED MALLEOLUS CLOSED
8244 FX BIMALLEOLAR CLOSED
8246 FX TRIMALLEOLAR CLOSED
0022 MANDIBLE FRACTURE-CLOSED
8052 FRACT DORSAL CLOSED
8082 FRACTURE OF PUBIS CLOSED
8001 SKULL VAULT FX-OPEN
8069 FX VERT LT EFF-CORD LES
8039 SKULL VAULT FX-LATE EFF

YSP2D3

OX1

8202 FX INTERTROCHANTERIC CLO
8120 FX UPPER HUMERUS CLOSED
8203 FX NECK OF FEMUR CLOSED
8000 SKULL VAULT FX-CLOSED
8212 FX FEMUR-LOWER END CLOS
8030 FRACT SKULL NEC CLOSED
8231 FX TIBIA-FIBUL UPPER OPE
8204 FX FEMUR-UPPER END CLOS
8054 FRACT LUMBAR CLOSED
8233 FX TIBIA-FIBUL SHAFT OPE
8210 FX FEMORAL SHAFT CLOSED
8211 FX FEMORAL SHAFT OPEN
8135 FX RADIUS/ULNA LOWER OPE
8213 FX FEMUR-LOWER END OPEN
8058 FRACT VERTEBRA NOS
8080 FRACTURE ACETABULUM CLOS
8050 FRACT CERVICAL CLOSED
8086 FRACTURE PELVIS NOS CLOS
8072 FRACTURE OF STERNUM CLOS
8084 FRACTURE PELVIS NEC CLOS
8248 FRACTURE OF ANKLE NOS
8241 FX MED MALLEOLUS OPEN
8245 FX BIMALLEOLAR OPEN
8003 SKULL BASE FX-CLOSED

YSP3

OPER1

793 OPEN REDUCTION-INT FIXAT
816 ARTHROPLASTY HIP NEC
791 CLOSED REDUCT-INT FIX
792 OPEN REDUCTION-FRACTURE
787 INT FIXATION NO REDUCT
781 OIVISION OF BONE
884 WOUND DEBRIDEMENT
815 TOTAL HIP REPLACEMENT

76 Fractures
(Cont'd)

ICDA8

YSP2

oper1

816 TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT
844 CLOSED REDUCTION OF OTHER BONE SITE FRACTURE
832 OPEN REDUCTION OF ANKLE FRACTURE WITH INTERNAL FIXATION
843 OPEN REDUCTION OF ELBOW, KNEE OR SHOULDER REGION FRACTU
847 OPEN REDUCTION OF OTHER BONE SITE FRACTURE WITH INSERTI
803 REMOVAL OF FIXATION DEVICE (INTERNAL)
807 DEBRIDEMENT OF COMPOUND FRACTURE
804 EXCISION OF BONE, PARTIAL
842 OPEN REDUCTION OF ELBOW, KNEE OR SHOULDER REGION FRACTU
925 SUTURE OF SKIN OR MUCOUS MEMBRANE
845 CLOSED REDUCTION OF OTHER BONE SITE FRACTURE WITH INSER
846 OPEN REDUCTION OF OTHER BONE SITE FRACTURE WITHOUT INTE
806 OSTECTOMY, COMPLETE
835 OPEN REDUCTION OF WRIST FRACTURE WITH INTERNAL FIXATION
831 OPEN REDUCTION OF ANKLE FRACTURE WITHOUT INTERNAL FIXAT
860 ARTHROTOMY
020 CRANIOPLASTY (REPAIR OF SKULL)
983 OPEN REDUCTION, MAXILLA
873 REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS

YSP2D1

dx1

8130 FRACTURE OF RADIUS AND ULNA-UPPER END OR UNSPECIFIED PAR
8250 FRACTURE OF ONE OR MORE TARSAL AND METATARSAL BONES-CLOS
8160 FRACTURE OF ONE OR MORE PHALANGES OF HAND-CLOSED
8124 FRACTURE OF HUMERUS-LOWER END, CLOSED
8161 FRACTURE OF ONE OR MORE PHALANGES OF HAND-OPEN
8129 FRACTURE OF HUMERUS-LATE EFFECT, ANY PART
8132 FRACTURE OF RADIUS AND ULNA-SHAFT, CLOSED
8139 FRACTURE OF RADIUS AND ULNA-LATE EFFECT, ANY PART
8150 FRACTURE OF METACARPAL BONE(S)-CLOSED
8134 FRACTURE OF RADIUS AND ULNA-LOWER END, CLOSED
8149 FRACTURE OF CARPAL BONE(S)-LATE EFFECT
8131 FRACTURE OF RADIUS AND ULNA-UPPER END OR UNSPECIFIED PAR
8100 FRACTURE OF CLAVICLE-CLOSED
8169 FRACTURE OF ONE OR MORE PHALANGES OF HAND-LATE EFFECT
8170 MULTIPLE FRACTURES OF HAND BONES-CLOSED
8260 FRACTURE OF ONE OR MORE PHALANGES OF FOOT-CLOSED
8221 FRACTURE OF PATELLA-OPEN

HICDA

YSP2

OPER1

510 TRACT FIX WO MANIP REDC
843 OPEN REDUCT JT DISLOC
807 REMOVE INT FIXATION DEV
971 PHYSICAL THERAPY
803 PARTIAL EXCISION OF BON
827 OP REDUCT MAXIL MANDIBL
804 COMPLETE OSTECTOMY
694 SUTURE OF SKIN
260 THORACOTOMY / PLEUROTOM
311 BONE GRAFT W MET INT FI
802 LOC EXCIS OF BONE LESIO
810 BONE GRAFT WO MET INT
832 ARTHROCENTESIS
020 CRANIOPLASTY
946 RADIOISOTOPE SCAN EXAMI
801 DIVISION OF BONE
891 LOC EXC SKIN SUBCUT LES
806 DEBRIDE CMPD FRACTURE

YSP2D1

OX1

8134 FRAC LOW ARM LOWER PT C
8130 FRAC LOW ARM UPPER PT C
8139 FRAC LOW ARM ANY PT L E
8124 FRACT HUMER LOWER CLOSE
8250 FRACT TARS METATAR CLOS
8129 FRAC HUMER ANY PT LT EF
8249 FRACT ANKLE LATE EFFECT
8140 FRACT CARPAL BONE CLOSE
8160 FRACT HAND PHALANG CLOS
8110 FRACT OF SCAPULA CLOSED
8130 FRACT OF CLAVICLE CLOSE
8029 FRACT FACE BONE LATE EF
8161 FRACT HAND PHALANG OPEN
8131 FRAC LOW ARM UPPER PT O
8259 FRAC TARS METATAR LT EF
8109 FRACT OF CLAVICLE LT EF
8171 FRACT MULT HAND BONES O
8149 FRACT CARPAL BONE LT EF
8229 FRAC PATELLA LATE EFFEC

HICDA2

YSP2

OPER1

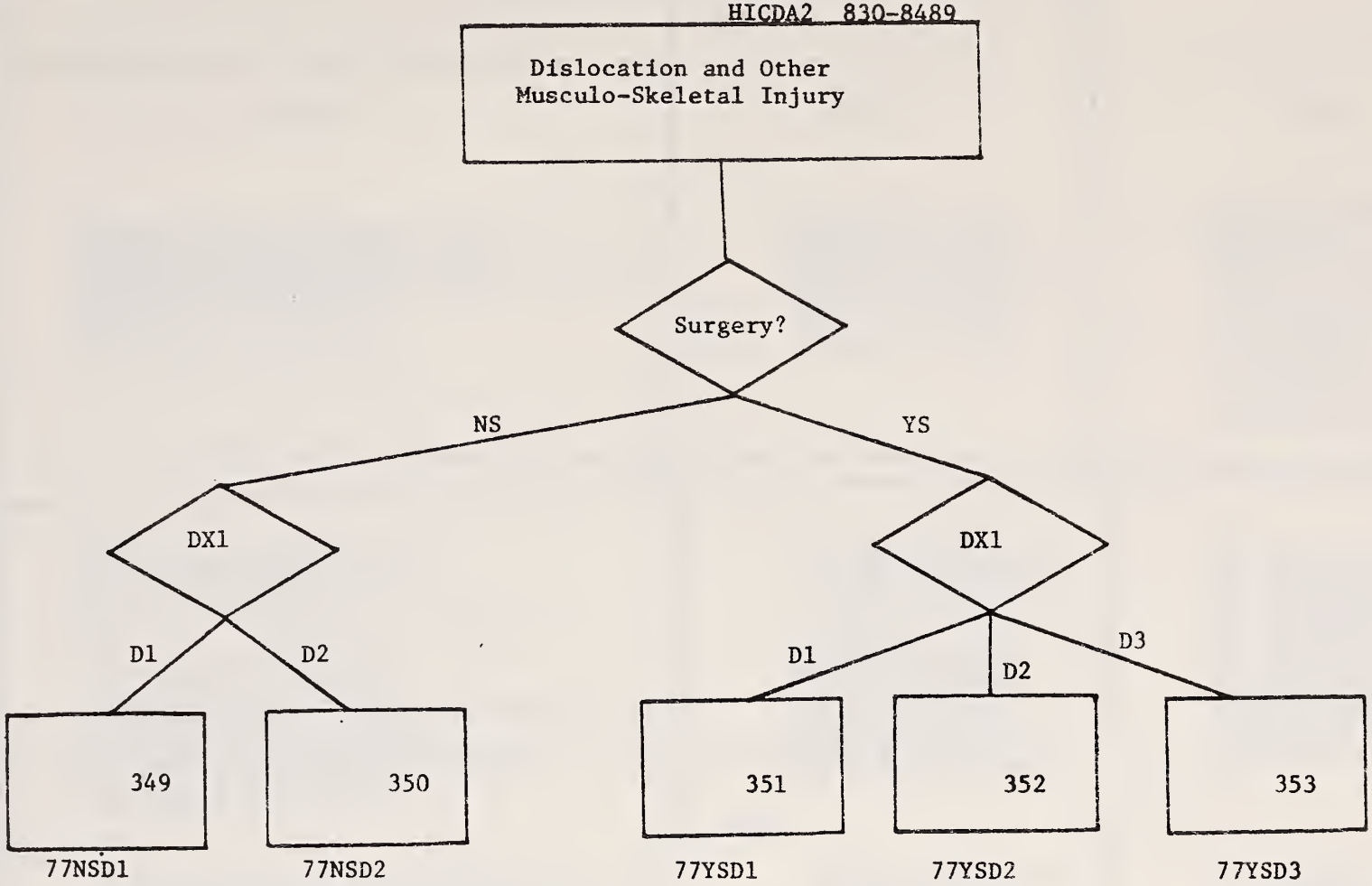
890 SKIN & SUBCUT SUTURE
788 REMOVE INTERNAL FIXATION
784 PARTIAL OSTECTOMY
796 DEBRIDEMENT OF OPEN FX
798 OPEN REDUCT-DISLOCATION
786 BONE GRAFT
785 TOTAL OSTECTOMY
783 EXCISION BONE LESION
020 CRANIOPLASTY
341 THORACOTOMY
819 JOINT REPAIR & PLAST NEC
800 ARTHROCENTESIS
767 OPEN REDUCT FACIAL NEC
812 ARTHROTESIS NEC
883 SKIN & SUBCUT INCIS NEC
814 ARTHROPLASTY OF KNEE

YSP2D1

OX1

8139 FX RADIUS/ULNA LATE EFF
8249 FRACTURE ANKLE LATE EFF
8130 FX RADIUS/ULNA UPPER CLO
8129 FX HUMERUS LATE EFFECT
8149 FRACTURE CARPAL LATE EFF
8161 FX PHALANX HAND OPEN
8029 NASAL FRACTURE-CLOSED
8160 FX PHALANX HAND CLOSED
8259 FX TARSAL-METATAR LATE
8124 FX LOWER HUMERUS CLOSED
8100 FRACTURE CLAVICLE CLOSED
8169 FX PHALANX HAND LATE EFF
8250 FX TARSAL-METATAR CLOSED
8134 FX RADIUS/ULNA LOWER CLO
8260 FX PHALANX FOOT CLOSED
8140 FRACTURE CARPAL CLOSED
8021 NASAL FRACTURE-OPEN
8131 FX RADIUS/ULNA UPPER OPE
8029 FX FACIAL-LATE EFFECT
8110 FRACTURE OF SCAPULA CLOS
8109 FX CLAVICLE LATE EFF
8229 FX PATELLA LATE EFFECT
8221 FRACTURE PATELLA OPEN
8261 FX PHALANX FOOT OPEN
8159 FX METACARPAL LATE EFF
8011 SKULL BASE FX-OPEN

Diagnostic Category 77: ICDA8 830-8480
HICDA 8300-8489
HICDA2 830-8489



77 Dislocation and Other Musculo-Skeletal Injury

ICDA8

NSO1

DXI

8360 DISLOCATION OF KNEE-SIMPLE
8430 SPRAINS AND STRAINS OF HIP AND THIGH
8480 OTHER AND ILL-DEFINED SPRAINS AND STRAINS
8450 SPRAINS AND STRAINS-OF ANKLE
848 OTHER AND ILL-DEFINED SPRAINS AND STRAINS
8310 DISLOCATION OF SHOULDER-SIMPLE
8369 DISLOCATION OF KNEE-LATE EFFECT
8390 OTHER, MULTIPLE, AND ILL-DEFINED DISLOCATIONS-CERVICAL
8400 SPRAINS AND STRAINS OF SHOULDER AND UPPER ARM
8451 SPRAINS AND STRAINS-OF FOOT
8420 SPRAINS AND STRAINS-OF WRIST
8421 SPRAINS AND STRAINS-OF HAND
8320 DISLOCATION OF ELBOW-SIMPLE
8410 SPRAINS AND STRAINS OF ELBOW AND FOREARM

NSO2

DX1

8460 SPRAINS AND STRAINS OF SACROILIAC REGION
8470 SPRAINS AND STRAINS OF OTHER AND UNSPECIFIED PARTS OF BA
8478 SPRAINS AND STRAINS OF OTHER AND UNSPECIFIED PARTS OF BA
8479 SPRAINS AND STRAINS OF OTHER AND UNSPECIFIED PARTS OF BA
8440 SPRAINS AND STRAINS OF KNEE AND LEG
846 SPRAINS AND STRAINS OF SACROILIAC REGION
9395 OTHER, MULTIPLE, AND ILL-DEFINED DISLOCATIONS-OTHER LOCA
8350 DISLOCATION OF HIP-SIMPLE

HICDA

NSD1

DX1

8430 SPRAIN STRAIN HIP THIGH
8450 SPRAIN STRAIN ANKLE
8310 DISLOC SHOULDER SIMPLE
8489 SPR STR OTHER / UNSPEC
8400 SPR STR SHOULDER UP AR
8360 DISLOC KNEE SIMPLE
8482 SPR STR RIBS STERNUM
8320 DISLOC ELBOW SIMPLE
8420 SPRAIN STRAIN WRIST
8451 SPRAIN STRAIN FOOT
8481 SPRAIN STRAIN PELVIS
8410 SPR STR ELBOW FOREARM
8476 NO CODE

NSO2

DX1

8460 SPR STR SACROILIAC REG
8472 SPRAIN STRAIN LUMBAR
8470 SPRAIN STRAIN NECK
8479 SPRAIN STRAIN BACK NOS
8440 SPRAIN STRAIN KNEE LEG
8471 SPRAIN STRAIN THORACIC
8395 DISLOC SITE SIMPLE

HICDA2

NSO1

DX1

8441 KNEE-LEG JOINT RUPTURE
8430 HIP-THIGH SPRAIN-STRAIN
8489 INJURY NEC AND NOS
8450 ANKLE-FOOT SPRAIN-STRAIN
8482 RIB JR STERNAL INJURY
8310 DISLOCAT SHOULDER CLOSED
8449 KNEE-LEG JOINT INJ NOS
8452 ANKLE-FOOT MUSCLE RUPT
8423 HAND-FINGER CRUSH INJURY
8442 KNEE-LEG MUSCLE RUPTURE
8409 SHOULDER-ARM INJURY NOS
8320 DISLOCATION ELBOW CLOSED
8401 SHOULDER-ARM JOINT RUPT
8403 SHOULDER-ARM CRUSH INJ
8400 SHOULDER-ARM SPRAIN
8444 KNEE-LEG JOINT INJ LATE
8481 PELVIC JOINT INJURY NEC

NSO2

DX1

8461 SACROILIAC REGION INJURY
8470 NECK INJURY
8472 LUMBAR INJURY
8479 BACK INJURY NOS
8440 KNEE-LEG SPRAIN & STRAIN
8471 THORACIC INJURY

77 Dislocation and Other Musculo-Skeletal Injury (Cont'd)

ICDA8

YS01

DX1

8310 DISLOCATION OF SHOULDER-SIMPLE
8421 SPRAINS AND STRAINS-OF HAND
8320 DISLOCATION OF ELBOW-SIMPLE
8340 DISLOCATION OF FINGER-SIMPLE
8330 DISLOCATION OF WRIST-SIMPLE
8451 SPRAINS AND STRAINS-OF FOOT
8339 DISLOCATION OF WRIST-LATE EFFECT
8379 DISLOCATION OF ANKLE-LATE EFFECT
8420 SPRAINS AND STRAINS-OF WRIST
8300 DISLOCATION OF JAW-SIMPLE
8341 DISLOCATION OF FINGER-COMPOUND
8311 DISLOCATION OF SHOULDER-COMPOUND

YS02

DX1

8360 DISLOCATION OF KNEE-SIMPLE
8369 DISLOCATION OF KNEE-LATE EFFECT
8440 SPRAINS AND STRAINS OF KNEE AND LEG
8450 SPRAINS AND STRAINS-OF ANKLE
844 SPRAINS AND STRAINS OF KNEE AND LEG
8400 SPRAINS AND STRAINS OF SHOULDER AND UPPER ARM
8380 DISLOCATION OF FOOT-SIMPLE

YS03

DX1

8460 SPRAINS AND STRAINS OF SACROILIAC REGION
8470 SPRAINS AND STRAINS OF OTHER AND UNSPECIFIED PARTS OF BA
8478 SPRAINS AND STRAINS OF OTHER AND UNSPECIFIED PARTS OF BA
8350 DISLOCATION OF HIP-SIMPLE
8390 OTHER, MULTIPLE, AND ILL-DEFINED DISLOCATIONS-CERVICAL V
8395 OTHER, MULTIPLE, AND ILL-DEFINED DISLOCATIONS-OTHER LOC

HICDA

YS01

DX1

9310 DISLOC SHOULDER SIMPLE
9320 DISLOC ELBOW SIMPLE
9400 SPR STR SHOULDER UP ARM
9450 SPRAIN STRAIN ANKLE
9340 DISLOC FINGER SIMPLE
9330 DISLOC WRIST SIMPLE
9300 DISLOC OF JAW SIMPLE
9421 SPRAIN STRAIN HAND
8381 DISLOC FOOT COMPOUND

YS02

DX1

8360 DISLOC KNEE SIMPLE
9440 SPRAIN STRAIN KNEE LEG
8489 SPR STR OTHER / UNSPEC
8329 DISLOC ELBOW LATE EFFEC
8380 DISLOC FOOT SIMPLE
8351 DISLOC HIP COMPOUND
3321 DISLOC ELBOW COMPOUND
8370 DISLOC ANKLE SIMPLE

YS03

DX1

8460 SPR STR SACROILIAC REG
9472 SPRAIN STRAIN LUMBAR
3350 DISLOC HIP SIMPLE
8470 SPRAIN STRAIN NECK
8479 SPRAIN STRAIN BACK NOS
8395 DISLOC SITE SIMPLE
8359 DISLOC HIP LATE EFFECT
9430 SPRAIN STRAIN HIP THIGH
8319 DISLOC SHOULDER LATE EF
9471 SPRAIN STRAIN THORACIC

HICDA2

YSD1

DX1

8310 DISLOCAT SHOULDER CLOSED
9422 HAND-FINGER MUSCLE RUPT
8429 HAND-FINGER JT INJ NOS
8424 HAND-FINGER JT INJ LATE
3320 DISLOCATION ELBOW CLOSED
8412 FOREARM-WRIST MUSC RUPT
3330 DISLOCATION WRIST CLOSED
8421 HAND-FINGER JOINT RUPT
8419 FOREARM-WRIST INJ NOS
8340 DISLOCATION FINGER CLOS
8414 FOREARM-WRIST INJ LATE
8300 DISLOCATION JAW CLOSED
8341 DISLOCATION FINGER OPEN
8349 DISLOCATION FINGER LATE

YSD2

DX1

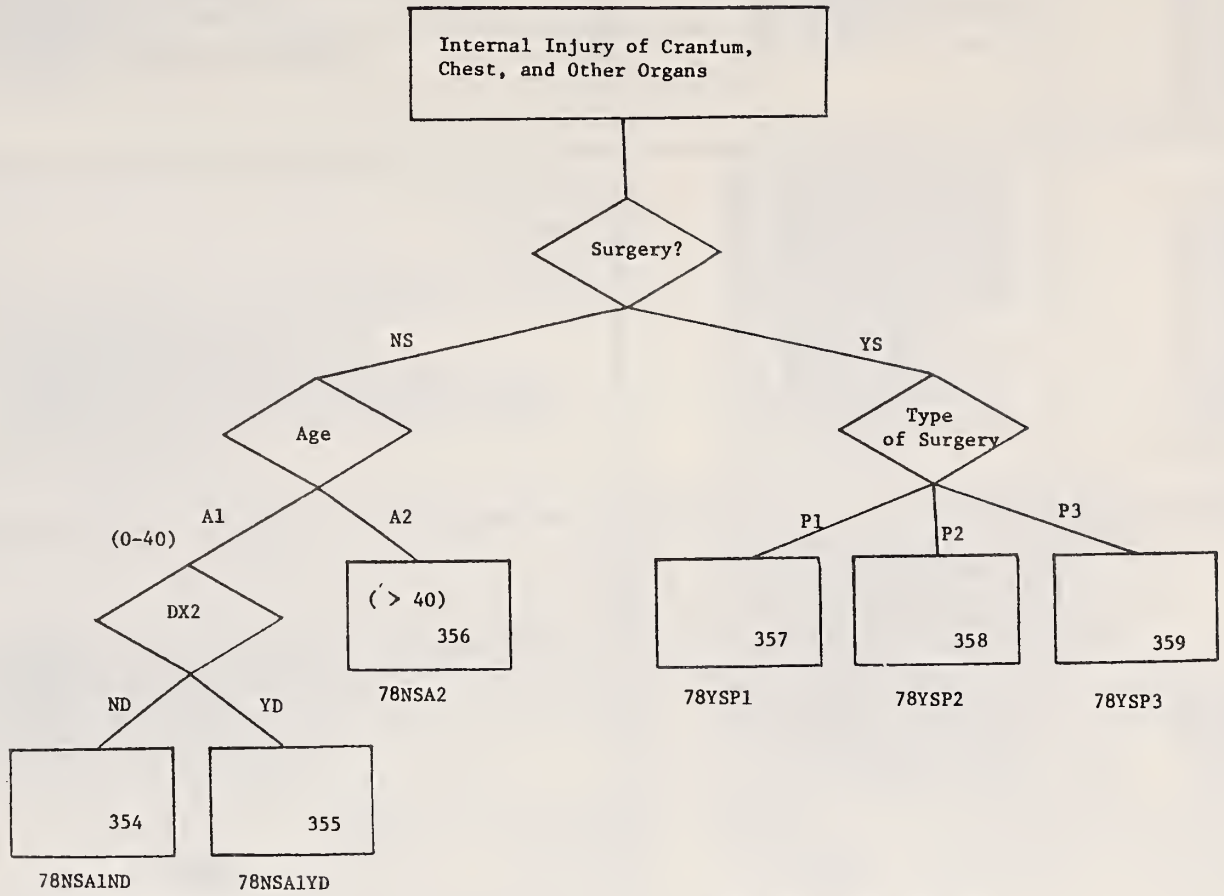
8441 KNEE-LEG JOINT RUPTURE
8401 SHOULDER-ARM JOINT RUPT
9423 HAND-FINGER CRUSH INJURY
8452 ANDLE-FOOT MUSCLE RUPT
8442 KNEE-LEG MUSCLE RUPTURE
8360 DISLOCATION KNEE CLOSED
8402 SHOULDER-ARM MUSC RUPT
8489 INJURY NEC AND NOS
8449 KNEE-LEG JOINT INJ NOS
8370 DISLOCATION ANKLE CLOSED
8454 ANKLE-FOOT JT INJ LATE
8444 KNEE-LEG JOINT INJ LATE
8453 ANKLE-FOOT CRUSH INJURY
8451 ANKLE-FOOT JOINT RUPTURE
8440 KNEE-LEG SPRAIN & STRAIN
8395 DISLOCATION NEC CLOSED

YSD3

DX1

8460 SACROILIAC REGION INJURY
8350 DISLOCATION HIP CLOSED
8470 NECK INJURY
8319 DISLOCAT SHOULDER LATE
8472 LUMBAR INJURY
8390 DISLOCAT CERVICAL CLOSED
8359 DISLOCATION HIP LATE EFF
8432 HIP-THIGH MUSCLE RUPTURE
8471 THORACIC INJURY
8439 HIP-THIGH JOINT INJ NOS

Diagnostic Category 78: ICDA8 850-8699, 950-9599, 9953, 9954
HICDA 8500-8549, 8600-8699, 9953, 9500-9599
HICDA2 850-8699, 900-9049, 950-9599



78 Internal Injury of Cranium, Chest, and Other Organs

ICDA8

P1

OPER1

925	SUTURE OF SKIN OR MUCOUS MEMBRANE
044	SUTURE OF PERIPHERAL NERVE
045	NEUROPLASTY OF PERIPHERAL NERVE
046	NEUROLYSIS OF PERIPHERAL NERVE
345	SURGICAL COLLAPSE OF LUNG
043	EXPLORATION OF PERIPHERAL NERVE
885	TRANSPLANTATION OF MUSCLE AND TENDON
073	BLEPHARORRHAPHY
023	CRANIOPLASTY (REPAIR OF SKULL)
042	EXCISION AND DESTRUCTION OF LESION OF PERIPHERAL NERVE
A42	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU

P2

OPER1

320	THORACOTOMY AND PLEUROTOMY
451	SPLENECTOMY
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
816	TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT
844	CLOSED REDUCTION OF OTHER BONE SITE FRACTURE
923	INCISION OF SKIN AND SUBCUTANEOUS TISSUE
194	REDUCTION OF FRACTURE OF NASAL BONES
982	CLOSED REDUCTION, MAXILLA
163	SUTURE OF EXTERNAL EAR
485	CLOSURE OF ARTIFICIAL STOMA, INTESTINE
A27	BIOPSY OF BONE
402	REPAIR AND PLASTIC OPERATIONS ON PERITONEUM

P3

OPER1

010	CRANIOTOMY
391	EXPLORATORY LAPAROTOMY OR CELIOTOMY
013	INCISION WITH DRAINAGE, INTRACRANIAL
205	EMERGENCY TRACHEOTOMY OR TRACHEOSTOMY
030	LAMINECTOMY
474	RESECTION OF SMALL INTESTINE
324	PLEURECTOMY
984	CLOSED REDUCTION, MANDIBLE
574	REPAIR AND PLASTIC OPERATIONS ON URETHRA
364	EXCISION OF INTERVERTEBRAL CARTILAGE (PROLAPSED DISK)
101	REMOVAL OF EYEBALL
074	BLEPHAROPLASTY
423	REPAIR AND PLASTIC OPERATIONS ON LIVER
206	PERMANENT TRACHEOSTOMY OR TRACHELOTOMY AND LARYNGOSTOMY
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
833	CLOSED REDUCTION OF ANKLE FRACTURE
833	CLOSED REDUCTION OF WRIST FRACTURE
478	COLOSTOMY
247	RECONSTRUCTION OF PERIPHERAL ARTERY BY BLOOD VESSEL GRA
933	FREE SKIN GRAFT TO OTHER SITES

HICDA

P1

OPER1

894	SUTURE OF SKIN
044	NEUROPRHAPY OF PERIPH N
860	INC SKIN SUBCUTAN TISSU
042	EXC PERIPHERAL NERVE LE
719	UTERINE S / C NON OBSTE
256	SURG COLLAPSE OF LUNG
043	NV TRANSPLANTAT PERIPH
045	NEUROPLASTY OF PERIPH N
040	EXPLORATION PERIPH NERV
564	ABDOMINAL PARACENTESIS
153	BLEPHAROPLASTY
622	REM BLAD CALCULUS NO IN
046	NEUROLYSIS OF PERIPH NV
052	SYMPATHETIC NERVE BLOCK
855	TRANSPL MUS TEN EXC HAN
853	BIOPSY OF BREAST
839	EXCIS JOINT STRUCT OTHE
156	LEVATOR PALP MUSCLE OPE
864	SUT HAND MUS TEND FASCI
152	BLEPHARORRHAPHY
367	PERIPHERAL VES OPER OTH

P2

OPER1

382	SPLENECTOMY
260	THORACOTOMY / PLEUROTOM
950	ARTERIOGRAPHY HEAD NECK
261	THORACENTESIS
946	RADIOISOTOPE SCAN EXAMI
891	LOC EXC SKIN SUBCUT LES
997	SPINAL PUNCTURE
368	ANASTOMOS REP PERIPH AR
463	RESECTION SMALL INTEST
012	CRANIAL PUNCTURE
923	PERITONEOSCOPY
173	SUTURE OF EXTERNAL EAR
348	SUTURE LIG BLD VES HEAD
935	INTRAVENOUS PYELOGRAPHY
550	INC ABDOM WALL / UMBIL
320	CATHETERIZATION HEART
533	PLASTIC / REP BILE DUCT
380	BONE MARROW ASPIRATION
816	TRACT FIX WO MANIP REOC
930	ENCEPHALOGRAPHY VENTRIC
850	INC MUSCLE TENO EXC HAN
847	CLOS REDUCT JT DISLOC
971	PHYSICAL THERAPY
843	PLASTIC / REP OTH JOINT

P3

OPER1

013	INCIS & DRAIN INTRACRAN
010	CRANIOTOMY
551	EXPLORATORY LAPAROTOMY
220	LARYNGOTOMY TRACHEOTOMY
020	CRANIOPLASTY
030	LAMINECTOMY
844	SPINAL FUSION
829	OP REDUCT MALAR ZYGOMA

HICDA2

P1

OPER1

890	SKIN & SUBCUT SUTURE
043	PERIPHERAL NEURORRHAPHY
196	BLEPHARORRHAPHY
040	EXPLORATION PERIPH NERVE
540	ABDOMINAL PARACENTESIS
690	O&C
047	PERIPH NEUROPLASTY NEC
042	EXCIS PERIPH NERVE LES

P2

OPER1

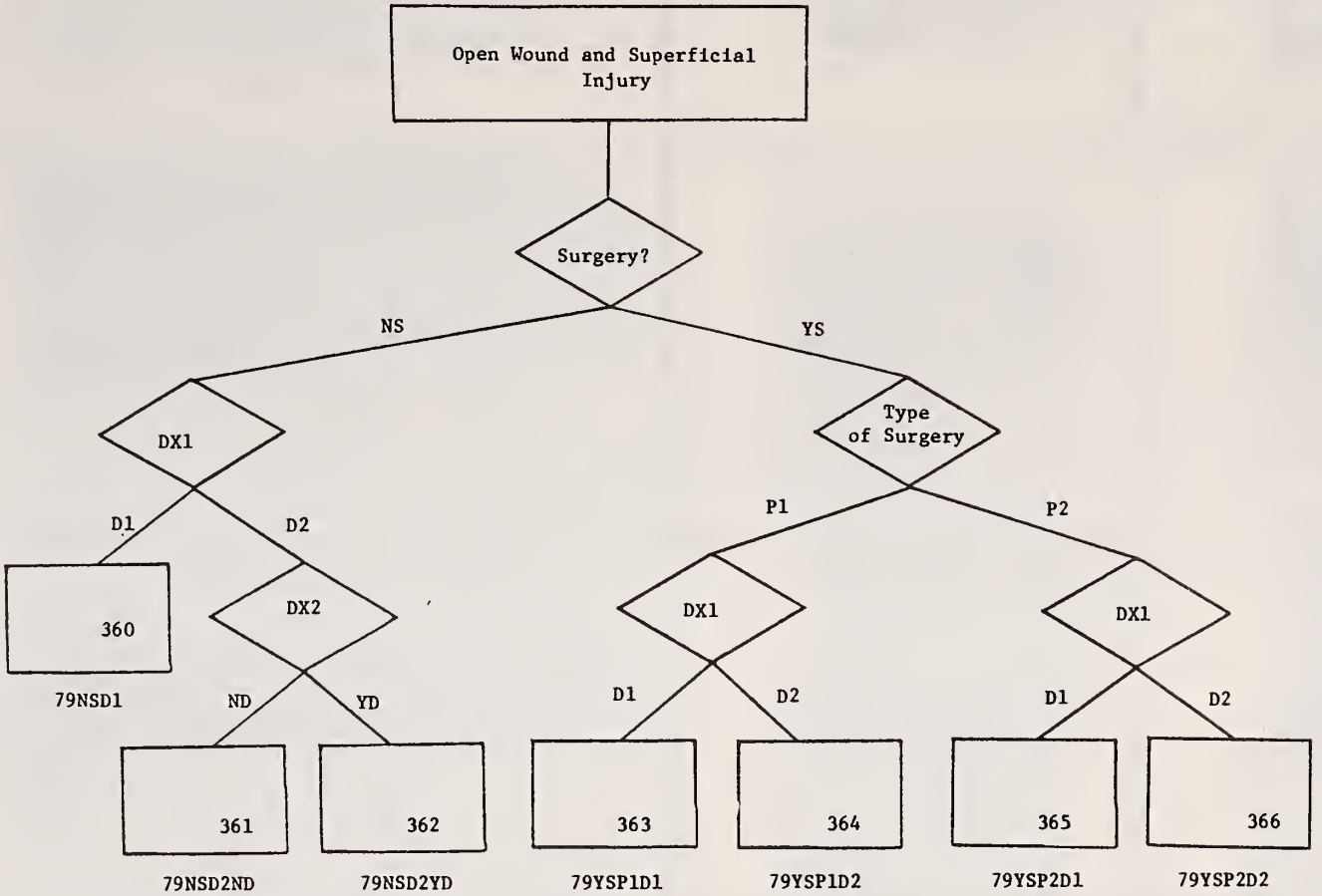
413	SPLENECTOMY
341	THORACOTOMY
790	CLOSED REDUCTION-FX
925	CYSTOURETHROSCOPY
884	WOUND DEBRIDEMENT
898	PLASTIC OP LIP & MOUTH
343	THORACENTESIS
217	REDUCTION OF NASAL FX
895	EXCISION SKIN LESION
797	CLOSED REDUCTION-DISLOC
255	SUTURE OF TONGUE
763	OPEN REDUCT-MAXILLA MAND
393	SUTURE OF VESSEL
802	ARTHROTOMY
791	CLOSED REDUCT-INT FIX
924	PROCTOSIGMOIDOSCOPY
571	CYSTOTOMY
511	CHOLECYSTECTOMY
184	SUTURE OF EXTERNAL EAR

P3

OPER1

011	CRANIOTOMY
542	LAPAROTOMY
793	OPEN REDUCTION-INT FIXAT
762	CLOSED REDUCT-MAXIL MAND
467	ENTERORRHAPHY
311	TEMPORARY TRACHEOSTOMY
761	OPEN REDUCT-MALAR ZYGOMA
585	URETHRAL DILATION
506	LIVER REPAIR & PLASTIC
454	RESECTION OF SMALL BOWEL
021	CRANIOPLASTY
030	SPINAL CORD EXPLORATION
792	OPEN REDUCTION-FRACTURE
387	OCCLUSION OF VESSEL NEC
602	TRANSURETH PROSTATECTOMY
392	SHUNT & GRAFT BYPASS NEC
583	URETHROPLASTY
893	FREE SKIN GRAFT NEC
805	EXCISION INTERVERT DISC
554	PARTIAL NEPHRECTOMY
377	PACEMAKER IMPLANTATION
455	SUBTOT RESECT-LG BOWEL

Diagnostic Category 79: ICDA8 870-9390, 996-9969
HICDA 8700-8979, 9100-9391
HICDA2 870-8979, 910-9391



79 Open Wound and Superficial Injury

ICDA8

DE

OX1

8750 OPEN WOUND OF CHEST (WALL)-WITHOUT MENTION OF COMPLICATI
9100 SUPERFICIAL INJURY OF FACE, NECK, AND SCALP-WITHOUT MENT
8790 OTHER, MULTIPLE, AND UNSPECIFIED OPEN WOUNDS-OTHER SPECI
8910 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-WITHOU
8820 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-WITHOUT MENTIO
8700 OPEN WOUND OF EYE AND ORBIT-WITHOUT MENTION OF COMPLICAT
9110 SUPERFICIAL INJURY OF TRUNK-WITHOUT MENTION OF INFECTION
8740 OPEN WOUND OF NECK-WITHOUT MENTION OF COMPLICATION
8810 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-WITHOUT MENTION
8830 OPEN WOUND OF FINGER(S)-WITHOUT MENTION OF COMPLICATION
9970 MULTIPLE OPEN WOUNDS OF OTHER AND UNSPECIFIED LOCATION-W
935 FOREIGN BODY IN MOUTH, ESOPHAGUS, AND STOMACH
9140 SUPERFICIAL INJURY OF HAND(S), EXCEPT FINGER(S) ALONE-WI
9963 INJURY, OTHER AND UNSPECIFIED-ELBOW, FOREARM, AND WRIST
8760 OPEN WOUND OF BACK-WITHOUT MENTION OF COMPLICATION
9350 FOREIGN BODY IN MOUTH, ESOPHAGUS, AND STOMACH
9380 FOREIGN BODY IN DIGESTIVE SYSTEM, UNSPECIFIED
8920 OPEN WOUND OF FOOT, EXCEPT TOE(S) ALONE-WITHOUT MENTION
8800 OPEN WOUND OF SHOULDER AND UPPER ARM-WITHOUT MENTION OF
8829 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-LATE EFFECT
8811 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-COMPLICATED
8780 OPEN WOUND OF GENITAL ORGANS (EXTERNAL) INCLUDING TRAUMA
8839 OPEN WOUND OF FINGER(S)-LATE EFFECT

D2

OX1

9223 CONTUSION OF TRUNK-CURRENT INJURY
9200 CONTUSION OF FACE, SCALP, AND NECK EXCEPT EYE(S)-CURRENT
9290 CONTUSION OF OTHER, MULTIPLE, AND UNSPECIFIED SITES-CURR
9210 CONTUSION OF EYE AND ORBIT-CURRENT INJURY
9270 CONTUSION OF HIP, THIGH, LEG, AND ANKLE-CURRENT INJURY
8737 OTH LAC OF HEAD-OTHER FACE WITHOUT MENTION OF COMPLICATI
921 CONTUSION OF EYE AND ORBIT
9961 INJURY, OTHER AND UNSPECIFIED-TRUNK
9968 INJURY, OTHER AND UNSPECIFIED-OTHER SPECIFIED SITES, INC
8730 OTH LAC OF HEAD-SCALP WITHOUT MENTION OF COMPLICATION
9180 SUPERFICIAL INJURY OF OTHER, MULTIPLE, AND UNSPECIFIED S
9967 INJURY, OTHER AND UNSPECIFIED-KNEE, LEG, ANKLE, AND FOOT
9160 SUPERFICIAL INJURY OF HIP, THIGH, LEG, AND ANKLE-WITHOUT
8911 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-COMPLI
8821 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-COMPLICATED
9233 CONTUSION OF SHOULDER AND UPPER ARM-CURRENT INJURY
9960 INJURY, OTHER AND UNSPECIFIED-FACE AND NECK

P1

OPER1

925 SUTURE OF SKIN OR MUCOUS MEMBRANE
920 INCISION OF SKIN AND SUBCUTANEOUS TISSUE
893 SUTURE OF MUSCLE, TENDON, AND FASCIA OF HAND
444 ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
884 SUTURE OF MUSCLE, TENDON AND FASCIA
814 REVISION OF AMPUTATION STUMP
898 OTHER PLASTIC OPERATIONS ON TENDON AND FASCIA OF HAND
165 OTHER OPERATIONS ON EXTERNAL EAR
934 CUTTING AND PREPARATION OF PEDICLE GRAFTS OR FLAPS
709 OTHER OPERATIONS ON UTERUS, CERVIX AND SUPPORTING STRUC
044 SUTURE OF PERIPHERAL NERVE
074 BLEPHAROPLASTY
935 ATTACHMENT OF PEDICLE OR FLAP GRAFT TO HAND
899 OTHER OPERATIONS ON MUSCLE, TENDON AND FASCIA OF HAND
894 TRANSPLANTATION OF MUSCLE AND TENDON OF HAND
443 BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
931 PLASTIC OPERATIONS ON LIP AND MOUTH
442 LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
941 RECONSTRUCTION OF AURICLE OF EAR

HICDA

D1

OX1

9110 SUP INJ TRUNK NO INF
9100 SUP INJ FACE NECK NO IN
9350 FORGN BOD UP GI NO PERF
9230 CONTUS ARM SHLD CUR INJ
9240 CONTUS L ARM ELB CUR IN
8910 OP WD KNEE LEG UNCOMPL
9330 FOREIGN BODY PHRNX LRYN
8790 OP WOUND SPEC TRUNK UNC
9120 SUP INJ ARM SHD NO INF
9130 SUP INJ L ARM ELB NO IN
8750 OPEN WOUND CHEST UNCOMP
8810 OP WD ELB LOW ARM UNCOM
9250 CONTUS HAND CUR INJURY
8700 OPEN WOUND EYE UNCOMP
8740 OPEN WOUND NECK UNCOMPL
8820 OPEN WOUND HAND UNCOMP
9380 FORGN BOD DIG SY NO PER
9140 SUP INJ HAND NO INF
8720 OPEN WOUND EAR UNCOMP
8800 OP WD SHLD UP ARM UNCOM

D2

OX1

9220 CONTUS TRUNK CUR INJ
9270 CONTUS HIP LEG CUR INJ
9290 CONTUS MULT NOS CUR INJ
9200 CONTUS FACE NECK CUR IN
8730 LACER OF SCALP UNCOMP
9130 SUP INJ MULT NO INF
8737 FACIAL LACER OTH UNCOMP
9160 SUP INJ HIP LEG NO INF
9210 CONTUS EYE / ORB CUR IN
8797 OP WOUND MULT NOS UNCOM

P1

OPER1

894 SUTURE OF SKIN
890 INC SKIN SUBCUTAN TISSU
864 SUT HAND NUS TENO FASCI
971 PHYSICAL THERAPY
914 NONSURG ESOPHAGOSCOPY
954 SUTURE MUS TEND EXC HAN
830 ARTHROTOMY
868 PLAS OP HAND TEN FAS OT
152 BLEPHARORRHAPHY
857 TENDON PLAS EXC HAND OT
044 NEURORRHAPY OF PERIPH N
901 PLAS OPER LIP EXT MOUTH
913 NONSURG BRONCHOSCOPY
835 EXCIS SEMILUN CART KNEE
186 TYMPANOPLASTY TYPE 1

HICDA2

D1

OX1

9100 ABRASION TO FACE OR NECK
9230 CONTUSION ARM
8750 LACERATION CHEST WALL
9350 FOREIGN BODY UPPER GI
8790 LACERATION TRUNK NEC
9110 ABRASION TRUNK
8810 LACERATION FOREARM
8820 LACERATION HAND
8800 LACERAT SHOULDER-UP ARM
8700 LACERATION EYE
8830 LACERATION FINGER
8910 LACERATION KNEE OR LEG
9330 FOREIGN BODY PHRNX LRYNX
8760 LACERATION BACK
8780 LACERATION GENITALIA
8770 LACERATION BUTTOCK
9130 ABRASION FOREARM
8740 LACERATION NECK

D2

OX1

9220 CONTUSION TRUNK
9250 CONTUSION MULTIPLE & NOS
9200 CONTUSION FACE OR NECK
9210 CONTUSION EYE OR ORBIT
9240 CONTUSION LEG
8737 LACERATION FACE NEC
9180 ABRASION MULTIPLE & NOS
9198 MULTIPLE INJURY NOS
8730 LACERATION SCALP
9191 INJURY NOS TRUNK
8797 LACERATION NOS
9196 INJURY NOS HIP & LEG
9160 ABRASION HIP OR LEG
8900 LACERATION HIP OR THIGH

P1

OPER1

890 SKIN & SUBCUT SUTURE
883 SKIN & SUBCUT INCIS NEC
923 ESOPHAGOGASTROSCOPY
824 SUTURE-MUSC TENDON-HAND
840 FINGER AMPUTATION
885 EXCISION SKIN LESION
096 BLEPHARORRHAPHY
836 SUTURE-MUSC TENDON FASC
043 PERIPHERAL NEURORRHAPHY
097 EYELID REPAIR NEC
802 ARTHROTOMY
392 FREE SKIN GRAFT TO HAND
820 INCISION HAND-MUSC TEND
895 ATTACH PEDICLE TO HAND
189 EXTERNAL EAR OP NEC
851 AMPUTATION REVISION
898 PLASTIC OP LIP & MOUTH
171 ORBITOTOMY

79 Open Wound and Superficial Injury (Cont'd)

ICDA8

P101

0X1

8832 OPEN WOUND OF FINGER(S)-WITH TENDON INVOLVEMENT
9350 FOREIGN BODY IN MOUTH, ESOPHAGUS, AND STOMACH
8822 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-WITH TENDON IN
9390 FOREIGN BODY IN GENITOURINARY TRACT
935 FOREIGN BODY IN MOUTH, ESOPHAGUS, AND STOMACH
8830 OPEN WOUND OF FINGER(S)-WITHOUT MENTION OF COMPLICATION
8921 OPEN WOUND OF FOOT, EXCEPT TOE(S) ALONE-COMPLICATED
8730 OPEN WOUND OF EYE AND ORBIT-WITHOUT MENTION OF COMPLICAT
9310 FOREIGN BODY IN EAR
8823 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-WITHOUT MENTIO
8810 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-WITHOUT MENTION
8732 OTH LAC OF HEAD-NOSE WITHOUT MENTION OF COMPLICATION
8869 TRAUMATIC AMPUTATION OF OTHER FINGER(S) (COMPLETE) (PART
8750 OPEN WOUND OF CHEST (WALL)-WITHOUT MENTION OF COMPLICATI
933 FOREIGN BODY IN PHARYNX AND LARYNX
8729 OPEN WOUND OF EAR-LATE EFFECT
8720 OPEN WOUND OF EAR-WITHOUT MENTION OF COMPLICATION
8819 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-LATE EFFECT
934 FOREIGN BODY IN BRONCHUS AND LUNG
8920 OPEN WOUND OF FOOT, EXCEPT TOE(S) ALONE-WITHOUT MENTION
8740 OPEN WOUND OF NECK-WITHOUT MENTION OF COMPLICATION
9965 INJURY, OTHER AND UNSPECIFIED-FINGER(S)

P102

0X1

8737 OTH LAC OF HEAD-OTHER FACE WITHOUT MENTION OF COMPLICATI
8960 TRAUMATIC AMPUTATION OF OTHER FINGER(S) (COMPLETE) (PART
8812 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-WITH TENDON INVO
8839 OPEN WOUND OF FINGER(S)-LATE EFFECT
8829 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-LATE EFFECT
8730 OTH LAC OF HEAD-SCALP WITHOUT MENTION OF COMPLICATION
8821 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-COMPLICATED
8780 OPEN WOUND OF GENITAL ORGANS (EXTERNAL) INCLUDING TRAUMA
8739 OTH LAC OF HEAD-LATE EFFECT, NOSE, OTHER FACE, AND SCALP
8831 OPEN WOUND OF FINGER(S)-COMPLICATED
8912 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-WITH T
8731 OPEN WOUND OF EYE AND ORBIT-COMPLICATED
8850 TRAUMATIC AMPUTATION OF THUMB (COMPLETE) (PARTIAL)-WITHO
8738 OTH LAC OF HEAD-OTHER FACE COMPLICATED
8861 TRAUMATIC AMPUTATION OF OTHER FINGER(S) (COMPLETE) (PART
8911 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-COMPLI

9270 CONTUSION OF HIP, THIGH, LEG, AND ANKLE-CURRENT INJURY
9220 CONTUSION OF TRUNK-CURRENT INJURY
9964 INJURY, OTHER AND UNSPECIFIED-HAND(S), EXCEPT FINGER(S)
8910 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-WITHOU
8790 OTHER, MULTIPLE, AND UNSPECIFIED OPEN WOUNDS-OTHER SPECI
9230 CONTUSION OF FACE, SCALP, AND NECK EXCEPT EYE(S)-CURRENT
8922 OPEN WOUND OF FOOT, EXCEPT TOE(S) ALONE-WITH TENDON INVO
9960 INJURY, OTHER AND UNSPECIFIED-FACE AND NECK

HICDA

P101

0X1

9350 FOREIGN BOD UP GI W/O PERF
8832 OPEN WOUND FINGER W TEN
8700 OPEN WOUND EYE UNCOMP
8822 OPEN WOUND HAND W TENDO
8910 OP WD KNEE LEG UNCOMPL
8920 OPENW WOUND FOOT UNCOMP
8810 OP WD ELB LOW ARM UNCOM
8660 TRAUM AMP FINGER UNCOMP
9290 CONTUS MULT NOS CUR INJ
8812 OP WD ELB LOW ARM W TEN
8830 OPEN WOUND FINGER UNCOMP
9100 SUP INJ FACE NECK WO IN
8720 OPEN WOUND EAR UNCOMP
8912 OP WD KNEE LEG W TENDON
8820 OPEN WOUND HAND UNCOMP
9180 SUP INJ HIP LEG WO INF
9140 SUP INJ HAND WO INF
8740 OPEN WOUND NECK UNCOMPL
9300 FOREIGN BODY EYE ADNEXA
8821 OPEN WOUND HAND W COMP
8831 OPEN WOUND FINGER W CO
8780 OP WOUND EXT GEN UNCOMP
8921 OPEN WOUND FOOT W COMPL
8039 OPEN WOUND FINGER LT EF
9230 CONTUS ARM SHLD CUR INJ
8829 OPEN WOUND HAND LATE EF

P102

0X1

8730 LACER OF SCALP UNCOMP
8737 FACIAL LACER OTH UNCOMP
9270 CONTUS HIP LEG CUR INJ
9220 CONTUS TRUNK CUR INJ
9200 CONTUS FACE NECK CUR IN
8797 OP WOUND MULT NOS UNCOM
8739 NCSE OTH FACE SCALP L E
8799 OP WOUND MULT NOS LT EF
8900 OP WD HIP THIGH UNCOMPL
8901 OP WD HIP THIGH W COMPL
8738 FACIAL LACER OTH W COMP
8731 LACER OF SCALP COMP
9210 CONTUS EYE / ORB CUR IN
9279 CONTUS HIP LEG LATE EFF
8819 OP WD ELB LOW ARM LT EF
8919 OP WD KNEE LEG LATE EFF
8791 OP WOUND SPEC TRUNK W C
8790 OP WOUND SPEC TRUNK UNC

HICDA2

P101

0X1

9350 FOREIGN BODY UPPER GI
8830 LACERATION FINGER
8810 LACERATION FOREARM
8700 LACERATION EYE
8820 LACERATION HAND
8831 LACERAT FINGER COMPLIC
8921 LACERATION FOOT COMPLIC
8920 LACERATION FOOT
9120 ABRASION TO FACE OR NECK
8839 LACERAT FINGER LATE EFF
9240 CONTUSION LEG
9250 CONTUSION MULTIPLE & NOS
9310 FOREIGN BODY IN EAR
9330 FOREIGN BODY EYE ADNEXA
8720 LACERATION EAR
8780 LACERATION GENITALIA
9330 FOREIGN BODY PHRNX LRYNX
8869 AMPUTAT FINGER LATE EFF
8819 LACERAT FOREARM LATE EFF
8750 LACERATION CHEST WALL

P102

0X1

8737 LACERATION FACE NEC
8860 AMPUTATION FINGER
8730 LACERATION SCALP
8910 LACERATION KNEE OR LEG
8821 LACERATION HAND COMPLIC
9220 CONTUSION TRUNK
8840 LACERATION ARM NOS
9200 CONTUSION FACE OR NECK
9210 CONTUSION EYE OR ORBIT
8739 LACERAT FACE-SCALP LATE
8911 LACERAT KNEE-LEG COMPLIC
8790 LACERATION TRUNK NEC
9180 ABRASION MULTIPLE & NOS
8797 LACERATION NOS
8811 LACERAT FOREARM COMPLIC
8800 LACERAT SHOULDER-UP ARM
8829 LACERATION HAND LATE EFF
8930 LACERATION HIP OR THIGH
8861 AMPUTAT FINGER COMPLIC
9198 MULTIPLE INJURY NOS
8850 AMPUTATION THUMB

79 Open Wound and Superficial Injury (Cont'd)

ICDA8

P2

OPER1

921 LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
391 EXPLORATORY LAPAROTOMY OR CELIOTOMY
933 FREE SKIN GRAFT TO OTHER SITES
320 THORACOTOMY AND PLEUROTOMY
850 AMPUTATION AND DISARTICULATION OF FINGER(S) EXCLUDING T
114 KERATOPLASTY
090 ORBITOTOMY
816 TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT
100 REMOVAL OF FOREIGN BODY BY MAGNET (FROM EYE STRUCTURES)
373 REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS
880 INCISION OF MUSCLE, TENDON, FASCIA AND BURSA (WITHOUT D
896 RECONSTRUCTION OF THUMB
807 DEBRIDEMENT OF COMPOUND FRACTURE
118 SCLEROPLASTY AND REPAIR OF SCLERA
101 REMOVAL OF EYEBALL
847 OPEN REDUCTION OF OTHER BONE SITE FRACTURE WITH INSERTI
446 CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE

P201

OX1

8737 OTH LAC OF HEAD-OTHER FACE WITHOUT MENTION OF COMPLICATI
8860 TRAUMATIC AMPUTATION OF OTHER FINGER(S) (COMPLETE) (PART
8700 OPEN WOUND OF EYE AND ORBIT-WITHOUT MENTION OF COMPLICAT
8830 OPEN WOUND OF FINGER(S)-WITHOUT MENTION OF COMPLICATION
8831 OPEN WOUND OF FINGER(S)-COMPLICATED
8701 OPEN WOUND OF EYE AND ORBIT-COMPLICATED
8832 OPEN WOUND OF FINGER(S)-WITH TENDON INVOLVEMENT
930 FOREIGN BODY IN EYE AND ADNEXA
9200 CONTUSION OF FACE, SCALP, AND NECK EXCEPT EYE(S)-CURRENT
8861 TRAUMATIC AMPUTATION OF OTHER FINGER(S) (COMPLETE) (PART
8912 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-WITH T
8639 OPEN WOUND OF FINGER(S)-LATE EFFECT
8850 TRAUMATIC AMPUTATION OF THUMB (COMPLETE) (PARTIAL)-WITHO
8821 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-COMPLICATED
9070 MULTIPLE OPEN WOUNDS OF OTHER AND UNSPECIFIED LOCATION-W
9965 INJURY, OTHER AND UNSPECIFIED-FINGER(S)
8810 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-WITHOUT MENTION
E801 OPEN WOUND OF SHOULDER AND UPPER ARM-COMPLICATED
8829 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-LATE EFFECT
8739 OTH LAC OF HEAD-LATE EFFECT, NOSE, OTHER FACE, AND SCALP
9300 FOREIGN BODY IN EYE AND ADNEXA

HICDA

P2

OPER1

891 LOC EXC SKIN SUBCUT LES
551 EXPLORATORY LAPAROTOMY
903 FREE SKIN GRAFT OTH LOC
870 AMPUT DISARTIC FINGERS
260 THORACOTOMY / PLEUROTOM
103 KERATOPLASTY
430 ESOPHAGOTOMY
802 LOC EXCIS OF BONE LESIO
846 APTHRODESIS OF OTH JOIN
820 CL RECUCT BNE NO INT FI
823 OP RECUCT BNE W INT FIX
485 CLOS ARTIFIC STOMA INT
010 CRANIOTOMY
220 LARYNGOTOMY TRACHEOTOMY
943 PLASTIC / REP OTH JOINT
102 SUTURE OF CORNEA
904 CUT PREP PEDICLE GRAFTS

P201

OX1

8860 TRAUM AMP FINGER UNCOMP
8700 OPEN WOUND EYE UNCOMP
9350 FORGN BOD UP GI WO PERF
8737 FACIAL LACER OTH UNCOMP
8730 LACER OF SCALP UNCOMP
8832 OPEN WOUND FINGER W TEN
8831 OPEN WOUND FINGER W COM
8820 OPEN WOUND HAND UNCOMP
8830 OPEN WOUND FINGER UNCOM
8810 OP WO ELB LOW ARM UNCOM
8920 OPEND WOUND FOOT UNCOMP
8739 NOSE OTH FACE SCALP LE
8829 OPEN WOUND HAND LATE EF
8701 OPEN WOUND EYE W COMP
9380 FORGN BOD DIG SY WO PER
8840 OP WO MULT ARM UNCOMP
9110 SUP INJ TRUNK NO INF
8821 OPEN WOUND HAND W COMP
9140 SUP INJ HAND NO INF
9150 SUP INJ FINGER NO INF
8798 OP WOUND MULT NOS W COM

HICDA2

P2

OPER1

884 WOUND DEBRIDEMENT
542 LAPAROTOMY
993 FREE SKIN GRAFT NEC
341 THORACOTOMY
126 PLASTIC OF CORNEA NEC
796 DEBRIDEMENT OF OPEN FX
790 CLOSED REDUCTION-FX
783 EXCISION BONE LESION
793 OPEN REDUCTION-INT FIXAT
124 SUTURE OF CORNEA
819 JOINT REPAIR & PLAST NEC
143 PLASTIC REPAIR OF SCLERA
413 SPLENECTOMY
397 REVISION OF PEDICLE
925 CYSTOURETHROSCOPY
896 ATTACHMENT PEDICLE NEC
174 REMOVAL OF EYEBALL

P201

OX1

8830 LACERATION FINGER
8737 LACERATION FACE NEC
8860 AMPUTATION FINGER
8700 LACERATION EYE
8810 LACERATION FOREARM
8701 LACERATION EYE COMPLIC
8831 LACERAT FINGER COMPLIC
8861 AMPUTAT FINGER COMPLIC
9350 FOREIGN BODY UPPER GI
9100 ABRASION TO FACE OR NECK
8850 AMPUTATION THUMB
8940 LACERATION LEG NUS
9150 ABRASION FINGER
8829 LACERATION HAND LATE EFF
8709 LACERATION EYE LATE EFF
9240 CONTUSION LEG
8869 AMPUTAT FINGER LATE EFF
8732 LACERATION NOSE
8780 LACERATION GENITALIA
8839 LACERAT FINGER LATE EFF
9390 FOREIGN BODY GU TRACT
9219 CONTUSION EYE-ORBIT LATE

79 Open Wound and Superficial Injury
(Cont'd)

ICDA8

P2D2

0X1

8790 OTHER, MULTIPLE, AND UNSPECIFIED OPEN WOUNDS-OTHER SPECI
8791 OTHER, MULTIPLE, AND UNSPECIFIED OPEN WOUNDS-OTHER SPECI
8750 OPEN WOUND OF CHEST (WALL)-WITHOUT MENTION OF COMPLICATI
8910 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-WITHOU
9961 INJURY, OTHER AND UNSPECIFIED-TRUNK
921 CONTUSION OF EYE AND ORBIT
8751 OPEN WOUND OF CHEST (WALL)-COMPLICATED
8812 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-WITH TENDON INVO
9220 CONTUSION OF TRUNK-CURRENT INJURY
927D CONTUSION OF HIP, THIGH, LEG, AND ANKLE-CURRENT INJURY
8822 OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-WITH TENDON IN
8911 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-COMPLI
882D OPEN WOUND OF HAND EXCEPT FINGER(S) ALONE-WITHOUT MENTIO
8830 OPEN WOUND OF SHOULDER AND UPPER ARM-WITHOUT MENTION OF
935D FOREIGN BODY IN MOUTH, ESOPHAGUS, AND STOMACH
8919 OPEN WOUND OF KNEE, LEG (EXCEPT THIGH), AND ANKLE-LATE E
8921 OPEN WOUND OF FOOT, EXCEPT TOE(S) ALONE-COMPLICATED
9968 INJURY, OTHER AND UNSPECIFIED-OTHER SPECIFIED SITES, INC
8920 OPEN WOUND OF FOOT, EXCEPT TOE(S) ALONE-WITHOUT MENTION
8901 OPEN WOUND OF HIP AND THIGH-COMPLICATED
8811 OPEN WOUND OF ELBOW, FOREARM, AND WRIST-COMPLICATED
9960 INJURY, OTHER AND UNSPECIFIED-FACE AND NECK
8851 TRAUMATIC AMPUTATION OF THUMB (COMPLETE) (PARTIAL)-COMPL
8859 TRAUMATIC AMPUTATION OF THUMB (COMPLETE) (PARTIAL)-LATE
8740 OPEN WOUND OF NECK-WITHOUT MENTION OF COMPLICATION
918D SUPERFICIAL INJURY OF OTHER, MULTIPLE, AND UNSPECIFIED S
929D CONTUSION OF OTHER, MULTIPLE, AND UNSPECIFIED SITES-CURR
939D FOREIGN BODY IN GENITOURINARY TRACT
9160 SUPERFICIAL INJURY OF HIP, THIGH, LEG, AND ANKLE-WITHOUT

HICDA

P202

0X1

8790 OP WOUND SPEC TRUNK UNC
8750 OPEN WOUND CHEST UNCOMP
8791 OP WOUND SPEC TRUNK W C
8910 OP WD KNEE LEG UNCOMPL
9220 CONTUS TRUNK CUR INJ
8911 OP WD KNEE LEG W COMPL
8797 OP WOUND MULT NOS UNCOM
9290 CONTLS MULT NOS CUR INJ
8799 OP WOUND MULT NOS LT EF
8751 OPEN WOUND CHEST W COMP
9270 CONTUS HIP LEG CUR INJ
8740 OPEN WOUND NECK UNCOMPL
920D CONTUS FACE NECK CUR IN
9160 SUP INJ HIP LEG WO INF
8738 FACIAL LACER OTH W COMP
890D OP WD HIP THIGH UNCOMPL
8741 OPEN WOUND NECK W COMPL
8949 OP WO MULT LEG LATE EFF

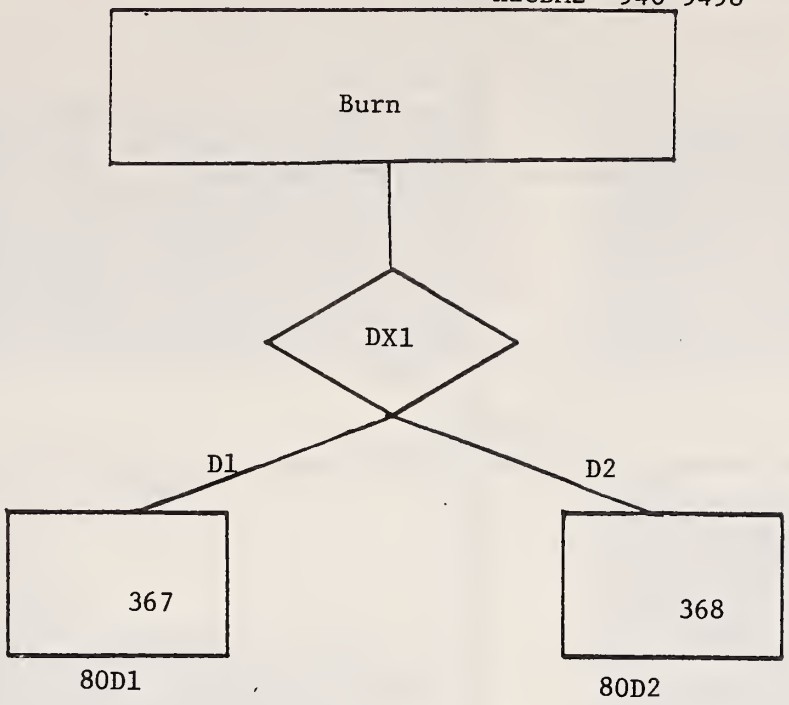
HICDA2

P202

0X1

8790 LACERATION TRUNK NEC
8910 LACERATION KNEE OR LEG
8750 LACERATION CHEST WALL
8791 LACERATION TRUNK COMPLIC
9198 MULTIPLE INJURY NOS
8821 LACERATION HAND COMPLIC
8797 LACERATION NOS
8751 LACERATION CHEST COMPLIC
8820 LACERATION HAND
8730 LACERATION SCALP
9191 INJURY NOS TRUNK
8740 LACERATION NECK
918D ABRASION MULTIPLE & NOS
8920 LACERATION FOOT
922D CONTUSION TRUNK
921J CONTUSION EYE OR ORBIT
8911 LACERAT KNEE-LEG COMPLIC
890D LACERATION HIP OR THIGH
9250 CONTUSION MULTIPLE & NOS
8941 LACERAT LEG NOS COMPLIC
8811 LACERAT FOREARM COMPLIC
880D LACERAT SHOULDER-UP ARM
9194 INJURY NOS HAND
9160 ABRASION HIP OR LEG
8738 LACERAT FACE NEC COMPLIC
9370 FOREIGN BODY RECTUM-ANUS

Diagnostic Category 80: ICDA8 940-9499
HICDA 9400-9499
HICDA2 940-9498



80 Burn

ICDA8

D1

DX1

9412 BURN CONFINED TO FACE, HEAD, AND NECK-SECOND DEGREE, WIT
9410 BURN CONFINED TO FACE, HEAD, AND NECK-UNSPECIFIED DEGREE
9419 BURN CONFINED TO FACE, HEAD, AND NECK-LATE EFFECT
9450 BURN CONFINED TO LOWER LIMB(S)-UNSPECIFIED DEGREE, WITHO
9440 BURN CONFINED TO WRIST(S) AND HAND(S)-UNSPECIFIED DEGREE
9452 BURN CONFINED TO LOWER LIMB(S)-SECOND DEGREE, WITHOUT ME
9422 BURN CONFINED TO TRUNK-SECOND DEGREE, WITHOUT MENTION OF
9442 BURN CONFINED TO WRIST(S) AND HAND(S)-SECOND DEGREE, WIT
9432 BURN CONFINED TO UPPER LIMB, EXCEPT WRIST AND HAND-SECON
9430 BURN CONFINED TO UPPER LIMB, EXCEPT WRIST AND HAND-UNSPE
9411 BURN CONFINED TO FACE, HEAD, AND NECK-FIRST DEGREE, WITH
9459 BURN CONFINED TO LOWER LIMB(S)-LATE EFFECT
9490 BURN INVOLVING OTHER AND UNSPECIFIED PARTS-UNSPECIFIED D
9438 BURN CONFINED TO UPPER LIMB, EXCEPT WRIST AND HAND-COMPL
9400 BURN CONFINED TO EYE-UNSPECIFIED DEGREE, WITHOUT MENTION
9429 BURN CONFINED TO TRUNK-LATE EFFECT
9448 BURN CONFINED TO WRIST(S) AND HAND(S)-COMPLICATED
9480 BURN INVOLVING FACE, HEAD, AND NECK, WITH LIMB(S)-UNSPEC

D2

DX1

9453 BURN CONFINED TO LOWER LIMB(S)-THIRD DEGREE, WITHOUT MEN
9462 BURN INVOLVING FACE, HEAD, AND NECK, WITH LIMB(S)-SECOND
9458 BURN CONFINED TO LOWER LIMB(S)-COMPLICATED
9443 BURN CONFINED TO WRIST(S) AND HAND(S)-THIRD DEGREE, WITH
9439 BURN CONFINED TO UPPER LIMB, EXCEPT WRIST AND HAND-LATE
9433 BURN CONFINED TO UPPER LIMB, EXCEPT WRIST AND HAND-THIRD
9482 BURN INVOLVING FACE, HEAD, AND NECK, WITH TRUNK AND LIMB
9492 BURN INVOLVING OTHER AND UNSPECIFIED PARTS-SECOND DEGREE
9449 BURN CONFINED TO WRIST(S) AND HAND(S)-LATE EFFECT
9472 BURN INVOLVING TRUNK WITH LIMB(S)-SECOND DEGREE, WITHOUT
9423 BURN CONFINED TO TRUNK-UNSPECIFIED DEGREE, WITHOUT MENTI
9499 BURN INVOLVING OTHER AND UNSPECIFIED PARTS-LATE EFFECT
9493 BURN INVOLVING OTHER AND UNSPECIFIED PARTS-THIRD DEGREE,
9413 BURN CONFINED TO FACE, HEAD, AND NECK-THIRD DEGREE, WITH
9423 BURN CONFINED TO TRUNK-THIRD DEGREE, WITHOUT MENTION OF
9498 BURN INVOLVING OTHER AND UNSPECIFIED PARTS-COMPLICATED
9470 BURN INVOLVING TRUNK WITH LIMB(S)-UNSPECIFIED DEGREE, WI
9483 BURN INVOLVING FACE, HEAD, AND NECK, WITH TRUNK AND LIMB
9480 BURN INVOLVING FACE, HEAD, AND NECK, WITH TRUNK AND LIMB
9463 BURN INVOLVING FACE, HEAD, AND NECK, WITH LIMB(S)-THIRD
9413 BURN CONFINED TO FACE, HEAD, AND NECK-COMPLICATED

HICDA

D1

CX1

9452 BURN LOWER LIMB 2ND DEG
9490 BURN OTH / NOS DEG UNSP
9472 BURN TK / LIMB 2ND DEG
9422 BURN TRUNK 2ND DEGREE
9470 BURN TK / LIMB DEG UNSP
9412 BURN FACE 2ND DEGREE
9430 BURN UPPER LIMB DEG UNS
9421 BURN TRUNK 1ST DEGREE
9462 BURN FACE LIMB 2ND DEG
9491 BURN OTH / NOS 1ST DEG
9410 BURN FACE DEG UNSPEC
9440 BURN HAND DEG UNSPEC
9442 BURN HAND 2ND DEGREE
9472 BURN OTH / NOS 2ND DEG
9451 BURN LOWER LIMB 1ST DEG
9482 BURN BODY 2ND DEGREE
9400 BURN EYE DEG UNSPEC
9432 BURN UPPER LIMB 2ND DEG
9471 BURN TK / LIMB 1ST DEG
9460 BURN FACE LIMB DEG UNSP
9441 BURN HAND 1ST DEGREE
9463 BURN FACE LIMB 3RD DEG
9490 BURN BODY DEG UNSPEC
9419 BURN FACE LATE EFFECT
9478 BURN TK / LIMB W COMPL
9411 BURN FACE 1ST DEGREE
9494 BURN INT ORG ANY DEGREE

D2

DX1

9450 BURN LOWER LIMB DEG UNS
9438 BURN LOWER LIMB W COMPL
9453 BURN LOWER LIMB 3RD DEG
9493 BURN OTH / NOS 3RD DEG
9420 BURN TRUNK DEG UNSPEC
9448 BURN HAND W COMPLICATIO
9433 BURN UPPER LIMB 3RD DEG
9498 BURN OTH / NOS W COMPL
9423 BURN TRUNK 3RD DEGREE
9459 BURN LOWER LIMB LATE EF
9428 BURN TRUNK W COMP
9439 BURN UPPER LIMB LATE EF
9499 BURN OTH / NOS LATE EFF
9473 BURN TK / LIMB 3RD DEG
9413 BURN FACE 3RD DEGREE
9429 BURN TRUNK LATE EFFECT
9449 BURN HAND LATE EFFECT
9443 BURN HAND 3RD DEGREE
9483 BURN BODY 3RD DEGREE
9488 BURN BODY W COMPLICATIO
9438 BURN UPPER LIMB W COMPL

HICDA2

D1

dx1

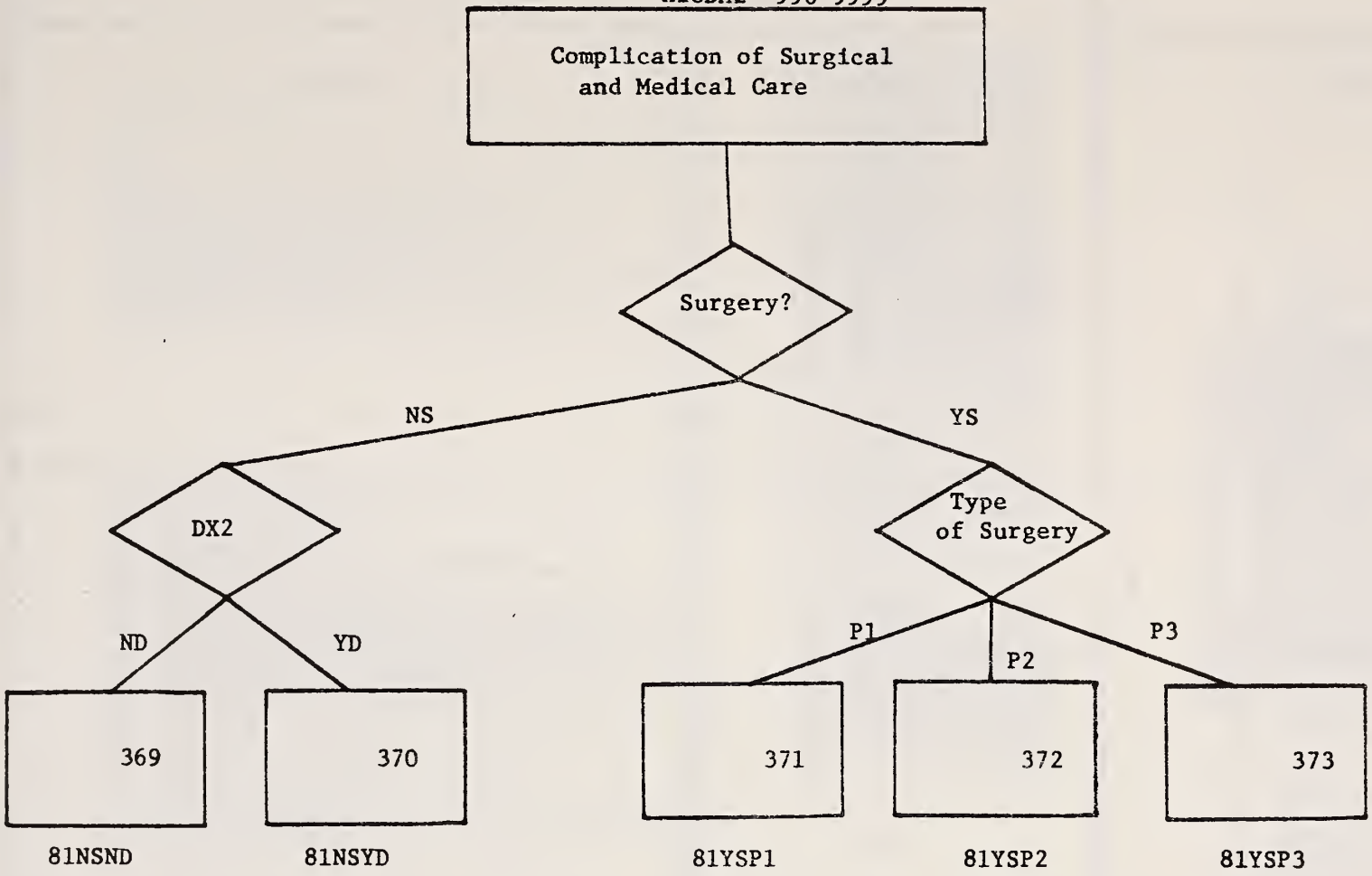
9410 BURN OF FACE NOS
9412 BURN OF FACE 2ND DEGREE
9452 BURN OF LEG 2ND DEGREE
9440 BURN OF HAND NOS
9422 BURN OF TRUNK 2ND DEGREE
9460 BURN OF MULTIPLE SITES
9430 BURN OF ARM NOS
9442 BURN OF HAND 2ND DEGREE
9432 BURN OF ARM 2ND DEGREE
9491 BURN OF 10-19% OF BODY
9411 BURN OF FACE 1ST DEGREE
9400 BURN OF EYE NOS
9480 BURN OF UNSPECIFIED SITE
9449 BURN OF HAND LATE EFFECT
9419 BURN OF FACE LATE EFFECT
9448 BURN OF HAND COMPLICATED
9490 BURN OF <10% OF BODY
9451 BURN OF LEG 1ST DEGREE
9482 BURN NOS 2ND DEGREE

D2

dx1

9462 BURN MULTIPLE 2ND DEGREE
9453 BURN OF LEG 3RD DEGREE
9450 BURN OF LEG NOS
9463 BURN MULTIPLE 3RD DEGREE
9420 BURN OF TRUNK NOS
9458 BURN OF LEG COMPLICATED
9459 BURN OF LEG LATE EFFECT
9423 BURN OF TRUNK 3RD DEGREE
9469 BURN MULTIPLE LATE EFF
9443 BURN OF HAND 3RD DEGREE
9433 BURN OF ARM 3RD DEGREE
9413 BURN OF FACE 3RD DEGREE
9461 BURN MULTIPLE 1ST DEGREE
9468 BURN MULTIPLE COMPLICAT
9493 BURN OF 30-39% OF BODY
9439 BURN OF ARM LATE EFFECT
9483 BURN NOS 3RD DEGREE
9428 BURN TRUNK COMPLICATED
9492 BURN OF 20-29% OF BODY

Diagnostic Category 81: ICDA8 997-9991, 9993-9999
HICDA 9960-9991, 9993-9999
HICDA2 996-9999



81 Complication of Surgical and Medical Care

ICDA8

P1

OPER1

739	OTHER OPERATIONS ON UTERUS, CERVIX AND SUPPORTING STRUC
713	COLPORRHAPHY
214	OTHER TONSIL AND ADENOID OPERATIONS
733	DILATION AND CURETTAGE OF UTERUS
736	REPAIR AND PLASTIC OPERATIONS ON UTERUS AND CERVIX
321	THORACOTOMY AND PLEUROTOMY
889	OTHER OPERATIONS ON MUSCLE, TENDON, FASCIA AND BURSA
A46	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
395	EXCISION AND DESTRUCTION OF LESION OF ABDOMINAL WALL AN
716	DILATION OF VAGINA
650	MASTOTOMY
A53	PERITONEOSCOPY
942	EXCISION AND DESTRUCTION OF LESION OF PERIPHERAL NERVE
505	REPAIR AND PLASTIC OPERATION ON RECTUM
A43	BRONCHOSCOPY WITHOUT EFFECT UPON TISSUE OR LESION
944	AUGMENTATION MAMMOPLASTY
800	INCISION OF BONES
652	MASTECTOMY, PARTIAL
306	REPAIR OF VENTRAL OR INCISIONAL HERNIA
195	OTHER OPERATIONS ON NOSE

HICDA

P1

OPER1

719	UTERINE D / C NON OBSTE
234	TONSIL ADENOID OPER OTH
724	PLAS / REP UTER / CERVI
729	UTERUS CERVIC OPERS OTH
733	REPAIR OF VAGINA
916	NENSURG CYSTOSCOPY URET
128	LENS OPERATIONS OTHER
102	SUTURE OF CORNEA
105	SCLEROTOMY
120	OTSCIS OF LENS CATARACT
152	BLEPHARORRHAPHY
040	EXPLORATION PERIPH NERV
360	INCIS PERIPHERAL VESSEL
145	CONJUNCTIVOPLASTY
209	NOSE OPERATIONS OTHER
459	ESOPHAGEAL OPERATION OT
227	PLAS REPAIR TRACH OP OT
739	VAGINA OPERATIONS OTHER
304	CARDIAC REVASCULAR INDI
740	INC VULVA PERINEUM NCNO
735	VAGINAL PLAST OPER OTHE
091	REMOVAL OF EYEBALL
093	EYEBALL OPERATIONS OTHE
112	IRIDECTOMY DESTRUCT LES
049	PERIPH NERVE OPER OTHER
096	EYE MUS ADVANCE RECESS
083	REPAIR PLASTC OPER ORBI
720	LOC EXCIS CERVIX LESION
051	SYMPATHECTOMY GANGECTOM
705	LIG / DIV FALLOP T BILA
103	KERATOPLASTY
122	REMOVE FOREIGN BODY LEN
125	EXTRACT LENS INTRACAPSU
232	TONSILLECTOMY W ADENOID
231	TONSILLECTOMY WO ADENOI
662	EXCIS VARICOCELE OF CUR
107	SCLEROPLASTY / REPAIR
875	AMPUT / DISARTIC OF TOE
659	PROSTATE SEM VESICLE OT
656	VESICULOTOMY
100	KERATOTOMY
870	AMPUT DISARTIC FINGERS
869	HAND MUS TEN FAS OP OTH
864	SUT HAND MUS TENO FASCI
682	CIRCUMCISION
187	TYMPANOPLASTY OTH TYPES
419	ORAL CAVITY OPER OTHER
180	MYRINGOTOMY
402	GINGIVA OPERATIONS OTHE
401	EXC LES TOOTH SUP STRUC
264	EXCIS CHEST WALL LESION
713	VAG HYSTERECT TOTAL PAR
922	COLONOSCOPY TRANSABD
136	REMOVE FGN BODY RETINA
800	INCISION OF BONE WO DIV
132	ANTERIOR CHAM OTH OPER
130	CHOROID OPERATIONS

HICDA2

P1

oper1

690	D&C
693	TRANSVAG REMOVAL UTER FB
236	STOP POST-TONSILLECT HEM
675	CERVICAL REPAIR-PLAS NEC
706	VAGINAL REPAIR-PLAS NEC
709	VAGINAL OPERATION NEC
925	CYSTOURETHROSCOPY
873	AUGMENTATION MAMMOPLASTY
543	EXCISION ABO WALL LESION
780	INCISION OF BONE
922	BRONCHOSCOPY
179	ORBIT & EYEBALL OP NEC
672	EXCIS CERVICAL LES NEC
875	BREAST REPAIR & PLAS NEC
341	THORACOTOMY
571	CYSTOTOMY
871	MASTOTOMY
039	SPINAL CORD OP NEC
159	LENS OPERATION NEC
210	CONTROL OF EPISTAXIS
176	INSERTION OF IMPLANT
793	OPEN REDUCTION-INT FIXAT

81 Complication of Surgical and Medical Care
(Cont'd)

ICDA8

P2

OPER1

305	REPLACEMENT OF ELECTRONIC HEART DEVICE
483	PLASTIC REPAIR OF ARTIFICIAL STOMA AND INTESTINE
393	INCISION OF ABDOMINAL WALL AND UMBILICUS
020	CRANIOPLASTY (REPAIR OF SKULL)
249	OTHER OPERATIONS ON PERIPHERAL VESSELS
445	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
718	INCISION OF PELVIC PERITONEUM FOR DRAINAGE AND FREEING
309	OTHER HEART PROCEDURES
248	ANASTOMOSIS AND OTHER REPAIR OF PERIPHERAL VESSELS
302	CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
657	REPAIR OR PLASTIC OPERATIONS ON BREAST
393	INCISION AND DRAINAGE OF OTHER PERITONEAL ABSCESS OR PE

P3

OPER1

024	REVISION OR REMOVAL OF SHUNT
803	REMOVAL OF FIXATION DEVICE (INTERNAL)
721	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
814	REVISION OF AMPUTATION STUMP
304	INSERTION OF ELECTRONIC DEVICE, HEART
249	INCISION OF PERIPHERAL VESSELS
361	EXPLORATORY LAPAROTOMY OR CELIOTOMY
247	RECONSTRUCTION OF PERIPHERAL ARTERY BY BLOOD VESSEL GRA
420	BIOPSY OF ADRENAL GLAND, KIDNEY AND PERIRENAL TISSUE
022	VENTRICULAR DRAINAGE OF SHUNTING
533	FREE SKIN GRAFT TO OTHER SITES
401	RESUTURE OF ABDOMINAL WALL
671	ARTHROPLASTY OF HIP WITH MECHANICAL PROSTHETIC DEVICE
804	EXCISION OF BONE, PARTIAL
574	REPAIR AND PLASTIC OPERATIONS ON URETHRA
485	CLOSURE OF ARTIFICIAL STOMA, INTESTINE
860	ARTHROTOMY
290	CARDIOTOMY AND PERICARDIOTOMY
444	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
272	RECONSTRUCTION OF INTRA-ABDOMINAL ARTERIES BY BLOOD VES
295	HEMORRHOIDECTOMY, COMPLETE
479	RESECTION OF COLON, PARTIAL OR SUBTOTAL
673	REPAIR AND PLASTIC OPERATIONS ON OTHER JOINTS

HICDA

P2

OPER1

325	REPLACEMENT OF PACEMAKE
324	INSERTION OF PACEMAKER
483	PLASTIC REP ARTIFIC STOM
550	INC ABDOM WALL / UMBIL
569	PERIPHERAL VES OPER OTH
823	OP REDUCT FRE W INT FIX
403	FREE SKIN GRAFT OTH LOC
329	HEART PROCEDURES OTHER
552	INC DRAIN ABDOM PERITON
594	SUTURE OF SKIN
366	ARTERIOVEN FIST REPI OP
129	VITREOUS OPERATION
560	SUTURE ABD WALL PERITON
556	EXCIS ABDOMINAL WALL LE

P3

OPER1

341	ARTHROPLAS HIP W MEC DE
307	REMOVE INT FIXATION DEV
830	ARTHROTOMY
890	INC SKIN SUBCUTAN TISSU
891	LOC EXC SKIN SUBCUT LES
814	REVISION AMPUTAT STUMP
843	PLASTIC / REP OTH JOINT
024	REVIS OF VENTRIC SHUNT
551	EXPLORATORY LAPAROTOMY
652	PROSTATECTOMY TRANSURET
604	COMPLETE NEPHRECTOMY
485	CLOS ARTIFIC STOMA INT
820	CL REDUCT FRE NO INT FI
840	ARTHROPLAS HIP NO DEVIC
815	INT FIX NO FRACT REDUCT

HICDA2

P2

oper1

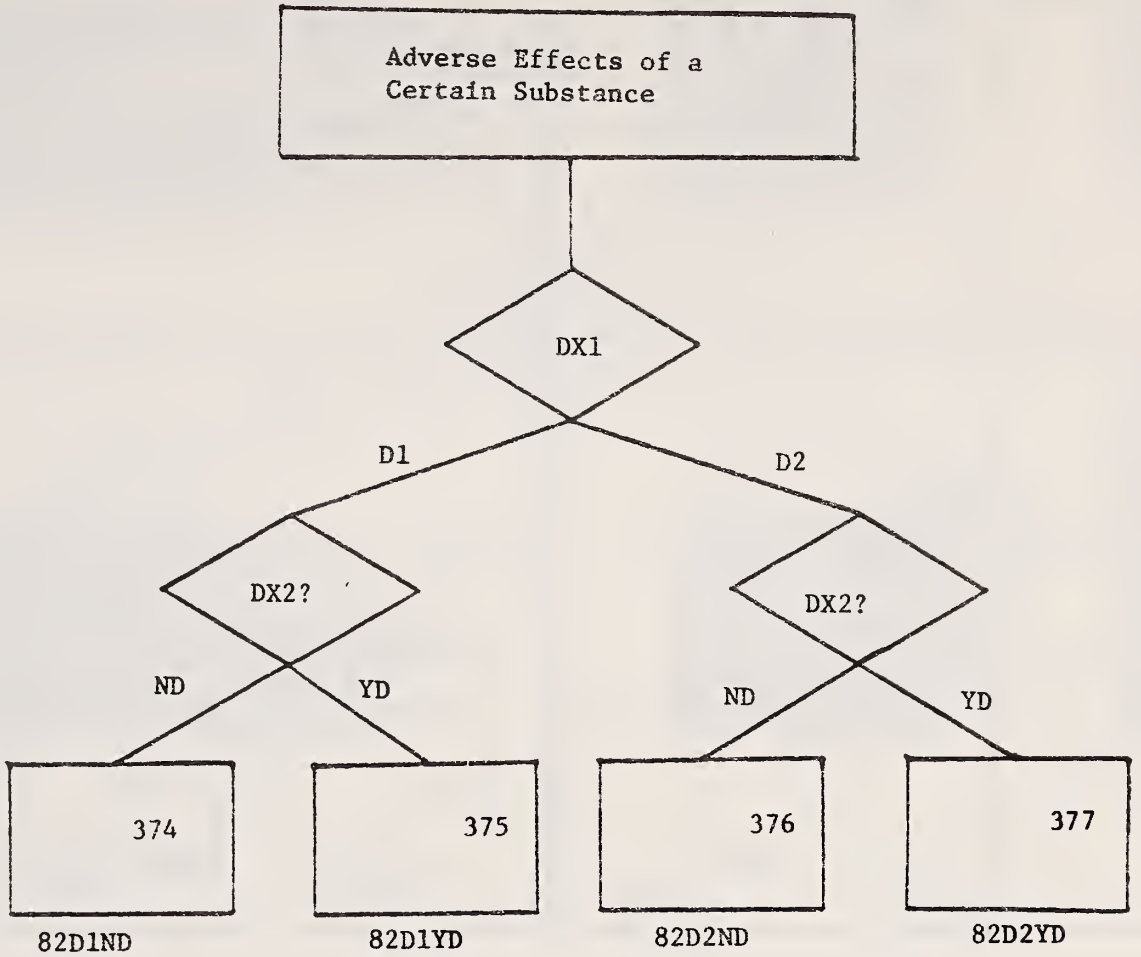
378	REMOVAL OF PACEMAKER
936	REPLACE PACEMAK BATTERY
464	REPAIR OF ARTIFIC STOMA
541	ABDOMINAL WALL INCISION
385	EXCISION SKIN LESION
924	PROCTOSIGMOIDOSCOPY
020	CRANIOPLASTY
934	INSERT TRANSVEN PACEMAK
390	SKIN & SUBCUT SUTURE
393	FREE SKIN GRAFT NEC
602	TRANSURETH PROSTATECTOMY
038	INJECT INTO CORD NEC
923	ESOPHAGOGASTROSCOPY

P3

oper1

788	REMOVE INTERNAL FIXATION
024	VENT SHUNT REVISION
377	PACEMAKER IMPLANTATION
392	SHUNT & GRAFT BYPASS NEC
851	AMPUTATION REVISION
834	WOUND DEBRIDEMENT
802	ARTHROTOMY
815	TOTAL HIP REPLACEMENT
380	ANGIOTOMY
542	LAPAROTOMY
843	ABOVE KNEE AMPUTATION
816	ARTHROPLASTY HIP NEC
455	SUBTOT RESECT-LG BOWEL
394	PREV VESSEL OP REVISION
546	ABDOMINAL WALL SUTURE
783	EXCISION BONE LESION
797	CLOSED REDUCTION-DISLOC
465	ARTIFICIAL STOMA CLOSURE
787	INT FIXATION NO REDUCT

Diagnostic Category 82: ICDA8 960-9952, 9955-9959
HICDA 9600-9952, 9955-9959
HICDA2 960-9959



82 Adverse Effects of a Certain Substance

ICDA8

D1

DX1

9779 BAD EFFECT OTH DRUGS-DRUGS, UNSPECIFIED
9701 ADVERSE EFFECT OF PSYCHOTHERAPEUTICS-TRANQUILIZERS
9670 ADVERSE EFFECT-BARBITURATES
9651 ADVERSE EFFECT-SALICYLATES AND CONGENERS
9650 ADVERSE EFFECT-OPIATES AND SYNTHETIC ANALOGUES
9679 ADVERSE EFFECT-OTHER SEDATIVES AND HYPNOTICS
9778 BAD EFFECT OTH DRUGS-OTHER SPECIFIED DRUGS, NOT ELSEWHER
9700 ADVERSE EFFECT OF PSYCHOTHERAPEUTICS-ANTIDEPRESSANTS
9659 ADVERSE EFFECT-OTHER ANALGESICS AND ANTIPYRETICS
9623 ADVERSE EFFECT-INSULINS AND ANTIDIABETIC AGENTS
9600 ADVERSE EFFECT-PENICILLIN, ANY
9800 TOXIC EFFECT OF ALCOHOL-ETHYL ALCOHOL
9941 EFFECTS OF OTHER EXTERNAL CAUSES-DROWNING AND NONFATAL S
9399 OTH TOXIC NAMED SUBST-OTHER
9839 TOXIC EFFECT OF CORROSIVE AROMATICS, ACIDS, AND CAUSTIC
9809 TOXIC EFFECT OF ALCOHOL-OTHER
9661 ADVERSE EFFECT-HYDANTOIN DERIVATIVES

D2

DX1

9731 BAD AGENTS AFFECTING CV SYS-CARDIAC TONICS
9879 TOXIC GASES,FUMES,VAPORS-OTHER
9840 TOXIC EFFECT OF LEAD AND ITS COMPOUNDS (INCLUDING FUMES)
934 TOXIC EFFECT OF LEAD AND ITS COMPOUNDS (INCLUDING FUMES)
9949 EFFECTS OF OTHER EXTERNAL CAUSES-OTHER
9832 TOXIC EFFECT OF CORROSIVE AROMATICS, ACIDS, AND CAUSTIC
9642 BAD AGENTS AFFECTING BLD CONSTIT-ANTICOAGULENTS
9948 EFFECTS OF OTHER EXTERNAL CAUSES-ELECTROCUTION AND NONFA
9639 EFFECTS OF RADIATION-OTHER AND UNSPECIFIED RADIATION
9860 TOXIC EFFECT OF CARBON MONOXIDE
9911 -FROSTBITE OF HAND
9912 -FROSTBITE OF FOOT
9906 EFFECTS OF RADIATION-OTHER AND UNSPECIFIED RADIOTHERAPY
9659 TOXIC METALS,NONMED SOURCE-OTHER
9620 ADVERSE EFFECT-ADRENALS
9730 BAD AGENTS AFFECTING CV SYS-CARDIAC DEPRESSANTS
986 TOXIC EFFECT OF CARBON MONOXIDE
9904 EFFECTS OF RADIATION-EXTERNAL RADIOTHERAPY

HICDA

D1

DX1

9779 ADV EFF UNSPECIFIED DRU
9701 ADV EFF TRANQUILIZERS
9670 ADV EFF BARBITURATES
9623 ADV EFF INSULIN ANTIDIA
9679 ADV EFF OTH SED / HYPNO
9651 ADV EFF SALICYLATE / CO
9650 ADV EFF OPIATES ANALOGS
9659 ADV EFF OTH ANTIPYRETIC
9700 ADV EFF ANTIDEPRESSANTS
9661 ADV EFF HYDANTOIN DERIV
9879 POISON GASES OTHER
9809 POISON ALCOHOL OTHER
9600 ADV EFF PENICILLIN
9794 ALCOHOL W TRANQUILIZERS
9770 ADV EFF EXT MEDICINE NO
9800 POISON ETHYL ALCOHOL
9778 ADV EFF OTH SPEC DRUGS NO
963D ADV EFF ANTIHISTAMINES

D2

DX1

9731 ADV EFF CARDIAC TONICS
9642 ADV EFF ANTICOAGULANTS
9949 EFF OF EXT CAUSE OTH
9860 POISON CARBON MONOXIDE
9912 EFFECT FROSTBITE FOOT
9832 POISON CAUSTIC ALKALIS
9904 ADV EFF EXT RADIOTHERAP
961D ADV EFF SULFONAMIDES
9909 ADV EFF RADIATION NOS
9906 ADV EFF RADIOTHERAPY NO
9730 ADV EFF CARDIAC DEPRESS
962D ADV EFF ADRENAL STEROID
9942 EFF OF HUNGER
9911 EFFECT FROSTBITE HAND
9948 EFF OF ELECTRIC CURRENT
9631 ADV EFF ANTINEOPLAS AGT
9659 POISON OTH NONMED METAL
968D ADV EFF C N S MUS RELAX

HICDA2

D1

dx1

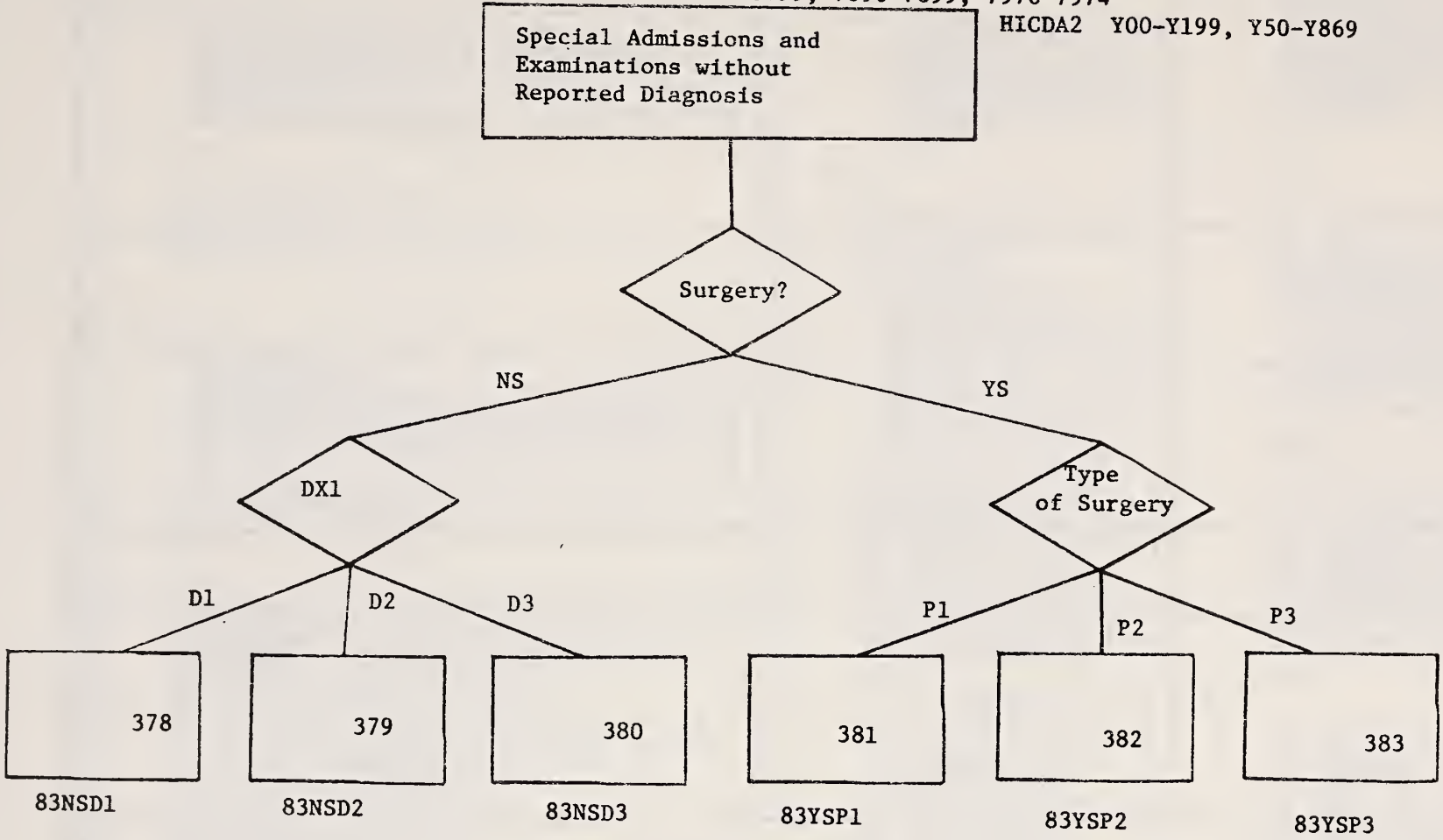
9701 ADV EFF TRANQUILIZERS
9779 ADV EFF DRUG NOS
9670 ADV EFF BARBITURATES
9651 ADV EFF SALICYLATES
9623 ADV EFF ANTIDIABETICS
9879 POISON GASES NEC
9679 ADV EFF OTH SED & HYPNOT
9700 ADV EFF ANTIDEPRESSANTS
9778 ADV EFF DRUG NEC
9659 ADV EFF ANALGESICS NEC
9650 ADV EFF OPIATES
9600 ADV EFF PENICILLIN
9800 POISON ETHYL ALCOHOL
9794 ALCOHOL + TRANQUILIZERS
9661 ADV EFF HYDANTOIN DERIV
9941 EFF OF SUBMERSION
9393 POISON PESTICIDES NEC
9394 POISON VENOM
9721 ADV EFF ANTICHOLINERGICS
9770 ADV EFF EXTERNAL MED NEC
9810 POISON KEROSENE
9735 ADV EFF HYPOTENSIVE NEC

D2

dx1

9731 ADV EFF CARDIAC TONICS
9840 POISON LEAD & COMPOUNDS
9642 ADV EFF ANTICOAGULANTS
9909 ADV EFF RADIATION NEC
9904 ADV EFF EXT RADIOTHERAPY
9912 EFFECT FROSTBITE FOOT
9832 POISON CAUSTIC ALKALIS
9860 POISON CARBON MONOXIDE
9730 ADV EFF CARD DEPRESSANTS
9620 ADV EFF ADRENAL STEROIDS
9906 ADV EFF RADIOTHERAPY NEC
9958 SECONDARY WOUND INFECT
9631 ADV EFF ANTINEOPLASTICS
9955 TRAUMATIC SHOCK
9911 EFFECT FROSTBITE HAND
9610 ADV EFF SULFONAMIDES
9948 EFF OF ELECTRIC CURRENT
9859 POISON NONMED METAL NEC
9913 EFFECT FROSTBITE NEC

Diagnostic Category 83: ICDA8 Y00-Y004, Y006-Y159, 379-3793, 388-3899, 789-7899
HICDA Y000-Y004, Y006-Y179, 3190-3192, 3199, 3790-3791, 388-3899, 7890-7899, 7970-7974
HICDA2 Y00-Y199, Y50-Y869



83 Special Admissions and Examinations Without Reported Diagnosis

ICDA8

D1

Dx1

Y153 NC CODE *
Y131 MEDICAL AND SURGICAL AFTERCARE-PERMANENT DIALYSIS
Y363 PREGNANCY WITHOUT ASSOCIATED OBSTETRICAL CONDITION
Y003 CLINICAL RESEARCH INVESTIGATION (NORMAL CONTROL PATIENT)
Y06 PRENATAL CARE

D2

Dx1

Y690 OTHER PERSON WITHOUT COMPLAINT OR ILLNESS-FOR STERILIZAT
Y133 MEDICAL AND SURGICAL AFTERCARE-RADIATION AND CHEMOTHERAP
Y061 PREGNANCY ASSOCIATED WITH NONOBSTETRICAL CONDITION
Y099 OTHER PERSON WITHOUT COMPLAINT OR ILLNESS-OTHER AND UNSP
Y670 POSTPARTUM OBSERVATION
Y039 FOLLOW-UP EXAMINATION OF OTHER DISEASE, INJURY, OR OPERA
7890 -ALBUMINURIA
7895 -GLYCOSURIA

D3

Dx1

Y106 MEDICAL AND SURGICAL AFTERCARE-ORTHOPEDIC AFTERCARE EXCL
Y405 OTHER SURGICAL AFTERCARE
Y033 FOLLOW-UP EXAMINATION-OF CASES OF NEOPLASM AFTER TREATME
7853 -HEMATURIA
3899 OTHER DEAFNESS-IMPAIRMENT OF HEARING, ONE OR BOTH EARS
Y106 OTHER MEDICAL AFTERCARE
Y13 SOCIAL MALADJUSTMENT WITHOUT MANIFEST PSYCHIATRIC DISORD
3791 BLINDNESS-BOTH EYES, NOT SPECIFICALLY DEFINED
Y102 MEDICAL AND SURGICAL AFTERCARE-COLOSTOMY STATUS

*Y153 INDICATES PATIENTS WHO WERE ADMITTED FOR DIALYSIS.

HICDA

D1

Dx1

Y061 PRENATAL CARE ONLY
Y369 FAILED INDUCTION LABOR
Y109 ADM FOR OTHER / UNSPEC
Y039 FOLLOW OTH DIS INJ OPER
Y100 ADM FOR STERILIZATION
Y009 MED SPEC EXAM OTH / UNS

D2

Dx1

Y699 PREG W NONOBSTETRIC CON
Y070 POSTPARTUM OBSERVATION
3790 BLIND BOTH EYES
Y030 FOLLOW INACT TB TREATED
7857 PROTEINURIA
Y031 FOLLOW TB NEVER ACTIVE
Y032 FOLLOW INACT TB OTHER
7572 ABNORMAL EKG
Y004 PREG EXAM PREG UNCONFIR
7899 ABN URIN CONST OTH / UN
7971 ABN GLUCO TOLERANCE TES
Y005 LABORATORY EXAM
7890 ALBUMINURIA
3159 SOCIAL MALADJUST OTHER

D3

Dx1

7853 HEMATURIA
Y114 SURGICAL AFTERCARE OTH
Y113 ORTHOPEDIC AFTERCARE OT
Y033 FOLLOW NEOPLASM TREATED
Y114 MED SURG AFTERCARE OTHE
Y115 MEDICAL AFTERCARE OTHER
3899 PART DEAF ONE OR BOTH
7091 PYURIA AND BACTERIURIA
Y121 ATTENT COLOSTOMY STATUS
Y110 ADJUSTMENT OF PACEMAKER

HICDA2

D1

dx1

Y060 PRENATAL CARE, NORMAL
Y151 ADMIT FOR DIALYSIS
Y001 GENERAL MED EXAM NEC
Y003 CLINICAL RESEARCH INVEST
Y070 ADMISSION AFTER DELIVERY
Y364 MULTIPARITY
Y063 FAILED LABOR INDUCTION

D2

dx1

Y069 PREG W NONOBSTETRIC COND
Y061 PRENATAL CARE, HIGH RISK
Y156 CHEMOTHERAPY AFTERCARE
Y154 SURGICAL AFTERCARE NEC
Y158 MEDICAL AFTERCARE NEC
Y760 POSITIVE BLOOD CULTURE
Y071 ROUTINE POSTPARTUM EXAM
Y129 INJURY FOLLOW-UP
Y735 GLYCOSURIA
Y359 SOCIAL MALADJUSTMENT NEC

D3

dx1

Y733 HEMATURIA
Y153 ORTHOPEDIC AFTERCARE NEC
Y365 CHILD NEGLECT & ABUSE
Y157 PHYSICAL MEDICINE ADMIT
Y085 HX OF COLONIC MALIGNANCY
Y093 HX OF BREAST MALIGNANCY
Y090 HX-BRONCHOGENIC MALIGNAN
Y155 FOR RADIATION AFTERCARE
Y100 HX-CERVICAL MALIGNANCY
Y086 HX OF RECTAL MALIGNANCY
Y152 FOR INT FIXATION REMOVAL
Y731 PYURIA & BACTERIURIA
Y770 ABN SKULL & HEAD XRAY
Y106 HX OF BLADDER MALIGNANCY

83 Special Admissions and Examinations Without Reported Diagnosis (Cont'd)

ICDA8

P1

OPER1	
062	SALPINGECTOMY, BILATERAL
069	OTHER OPERATIONS ON FALLOPIAN TUBE
153	PERITONEOSCOPY
661	VASECTOMY
702	CARDIAC CATHETERIZATION, RIGHT OR LEFT HEART
703	DILATION AND CURETTAGE OF UTERUS

P2

OPER1	
665	LIGATION AND DIVISION OF FALLOPIAN TUBES BILATERAL
803	REMOVAL OF FIXATION DEVICE (INTERNAL)
446	CYSTOSCOPY AND URETHROSCOPY WITHOUT EFFECT UPON TISSUE
309	REPLACEMENT OF ELECTRONIC HEART DEVICE
323	BIOPSY OF RENAL, BLADDER, URETER AND PERIRENAL TISSUE
681	SALPINGECTOMY, UNILATERAL
709	OTHER OPERATIONS ON UTERUS, CERVIX AND SUPPORTING STRUC
575	DILATION OF URETHRA
916	TRACTION AND EXTERNAL FIXATION DEVICE WITHOUT MANIPULAT

P3

OPER1	
485	CLOSURE OF ARTIFICIAL STOMA, INTESTINE
682	ABDOMINAL HYSTERECTOMY, COMPLETE OR TOTAL
341	EXPLORATORY LAPAROTOMY OR CELIOTOMY
684	VAGINAL HYSTERECTOMY TOTAL AND SUBTOTAL
445	ENDOSCOPY OF COLON AND RECTUM WITHOUT EFFECT UPON TISSU
921	LOCAL EXCISION OF LESION OF SKIN AND SUBCUTANEOUS TISSU
444	ESOPHAGOSCOPY AND GASTROSCOPY WITHOUT EFFECT UPON TISSU
322	WIDE OR RADICAL EXCISION OF LESION OF SKIN
931	PLASTIC OPERATIONS ON LIP AND MOUTH
933	FREE SKIN GRAFT TO OTHER SITES
740	HYSTERECTOMY OF HYSTERECTOMY TO TERMINATE PREGNANCY
545	NEPHRECTOMY, COMPLETE
673	SALPINGO-OOPHORECTOMY, UNILATERAL
475	RESECTION OF COLON, PARTIAL OR SUBTOTAL
920	CRANIOPLASTY (REPAIR OF SKULL)
604	EXCISION OF ACNE, PARTIAL
800	ARTHROTOMY
602	PROSTATECTOMY, TRANSURETHRAL
963	RHINOPLASTY AND REPAIR OF NOSE
327	BIOPSY OF BONE
442	LARYNGOSCOPY AND TRACHEOSCOPY WITHOUT EFFECT UPON TISSU
661	PROSTATECTOMY, SUPRAPUBIC
671	LOCAL EXCISION OR DESTRUCTION OF LESION OF OVARY
419	BIOPSY OF STOMACH AND INTESTINES
654	MASTECTOMY, PATEYORD SIMPLE

HICDA

P1

OPER1	
766	LIG / DIV FALLOP T BILA
723	PERITONEOSCOPY
719	UTERINE D / C, MISCARRIAGE
790	D / C TO TERMINATE PREG
671	VASECTOMY
184	STAPEDECTOMY
130	MYRINGOTOMY
737	ASPIRAT CURET PREG
735	COLPOTOMY
166	TYMPANOPLASTY TYPE 1

P2

OPER1	
507	REMOVE INT FIXATION DEV
125	EXTRACT LENS INTRACAPSU
916	NONSURG CYSTOSCOPY URET
652	PROSTATECTOMY TRANSURET
325	REPLACEMENT OF PACEMAKE
129	LENS OPERATIONS OTHER
706	SALPINGECTOMY BILATERAL
709	FALLOPIAN TUBE OPER OTH
662	TRANSURETH EXC GLAD LES
750	ANPAR PROC TERM PREG OT
124	EXTRACT LENS EXTRACAPSU
647	DILATATION OF URETHRA
370	AUGMENTATION MAMMOPLAST

P3

OPER1	
485	CLOS ARTIFIC STOMA INT
713	VAG HYSTRECT TOTAL PAR
711	ABD HYSTERECTOMY TOTAL
948	RADIOISOTOPE SCAN EXAMI
330	ARTHROTOMY
470	RESECT COLON SEGMENTAL
551	EXPLORATORY LAPAROTOMY
994	SUTURE OF SKIN
913	NONSURG ENDOSCOPY
936	RETROGRADE PYELOGRAPHY
971	PHYSICAL THERAPY
691	REMOVAL OF EYEBALL
807	KIDNEY TRANSPLANT
955	ARTERIOGRAPHY OTHER
004	COMPLETE NEPHRECTOMY
650	BIOP PROST PERIPROST TI
994	CUT PREP PEDICLE GRAFTS
129	VITRECTOMY OPERATION
916	TRACT FIX NO MANIP REDC
933	INTRAVENOUS PYELOGRAPHY
201	THORACENTESIS

HICDA2

P1

operl	
663	ENDOSCOP BIL TUBE LIGAT
690	D&C
636	VASECTOMY OR VAS LIGAT
751	DIAGNOSTIC AMNIOCENTESIS
665	SALPINGECTOMY NEC
933	CARDIAC CATHETERIZATION
674	INT CERVICAL OS REPAIR

P2

operl	
664	BILAT TUBE LIGATION NEC
738	REMOVE INTERNAL FIXATION
925	CYSTOURETHROSCOPY
585	URETHRAL DILATION
378	REMOVAL OF PACEMAKER
662	BILAT TOTAL SALPINGECT
573	TUR EXCISION BLADDER LES
756	REPAIR OB LACERATION NEC

P3

operl	
465	ARTIFICIAL STOMA CLOSURE
683	TOTAL ABD HYSTERECTOMY
924	PROCTOSIGMOIDOSCOPY
542	LAPAROTOMY
455	SUBTOT RESECT-LG BOWEL
634	VAGINAL HYSTERECTOMY
682	SUBTOT ABD HYSTERECTOMY
555	EXCISION RENAL LESION
651	EXCISION OVARIAN LESION
936	REPLACE PACEMAK BATTERY
174	REMOVAL OF EYEBALL
923	ESOPHAGOGASTROSCOPY
397	REVISION OF PEDICLE
850	JOINT MANIPULATION NEC
755	OB CERV LACERAT REPAIR
201	REMOVAL MYRINGOT DEVICE
452	EXCISION LG BOWEL LESION

Appendix D

The Grouping Algorithm

AUTOGRP is a system for the examination of a population of data and the partitioning of this population into groups which are distinctive with respect to some dependent variable. Groups are defined by limiting group members to one of a specified number of mutual exclusive sets of categories of an independent variable. A suitable criterion for the formation of groups and an efficient method of evaluating the grouping criterion are fundamental to the system.

Each observation in a given population of data will have a value of the independent variable X and a value of the dependent variable Y. If there are N possible categories of the independent variable and there are M_i observations in the i^{th} category of the independent variable $(1 \leq i \leq N)$, the total sum of squares (TSSQ) of the data with respect to the dependent variable is defined as:

$$TSSQ = \sum_{i=1}^{N} \sum_{j=1}^{M_i} (Y_{ij} - \bar{Y})^2 \qquad (1)$$

in which

Y_{ij} = value of the dependent variable for the j^{th} observation in the i^{th} category of the independent variable

$\bar{Y}$ = mean value of the dependent variable for the entire data set.

That is,

$$\bar{Y} = \sum_{i=1}^{N} \sum_{j=1}^{M_i} Y_{ij} \Big/ \left(\sum_{i=1}^{N} M_i \right) \qquad (2)$$

If the data is divided into G groups, each group consisting of all observations which belong in one of a mutually exclusive set of categories of the independent variable, then each of the G groups will have a within group sum of squares (WGSSQ) with respect to the dependent variable.

$$WGSSQ(k) = \sum_{i \epsilon R_k} \sum_{j=1}^{M_i} (Y_{ij} - \bar{Y}_k)^2 \qquad (3)$$

in which

$WGSSQ(k)$ = WGSSQ of the k^{th} group

R_k = set of all categories of the independendent variable in the k^{th} group

$\bar{Y}_k$ = mean value of the $R_k = \{i \mid \text{category } i \text{ in group } k\}$ dependent variable in the k^{th} group,

$$\bar{Y}_k = \left(\sum_{i \epsilon R_k} \sum_{j=1}^{M_i} Y_{ij} \right) \Big/ \left(\sum_{i \epsilon R_k} M_i \right) \qquad (4)$$

The total WGSSQ (TWGSSQ) for the G groups is given by

$$TWGSSQ(G) = \sum_{k=1}^{G} \sum_{i \epsilon R_k} \sum_{i=1}^{M_i} (Y_{ij} - \bar{Y} \qquad (5)$$

for any G $TWGSSQ(G+1) \leq TWGSSQ(G)$. A criterion for the partitioning of the data into distinctive groups, which is both intuitively and statistically appealing is the minimization of the TWGSSQ of the data. The TWGSSQ simply represents the sum of the total squared distance of each of the groups from its mean and as such is proportional to the variance of the data. Thus, the minimization of the TWGSSQ of the data results in the minimization of the variance of the data. The data as a whole, initially has a TSSQ. If the data is divided into two groups and the minimum TWGSSQ(2) is substantially

less than the original TSSQ, then the data may consist of two subpopulations. A better explanation of the data is obtained by treating it as two separate groups. AUTOGRP allows the user to partition his data, using the minimization of the TWGSSQ criterion, into as many subgroups as desirable or meaningful.

In order to find that configuration of groups which results in the minimization of the TWGSSQ for a specified number of groups, a complete evaluation of the TWGSSQ for all possible group configurations must be performed. Even for data sets of moderate size, this can prove to be a difficult computational problem. For a data set with N possible categories of the independent variable there are $2^{N-1}-1$ distinct two group combinations of the N categories. Thus, to simply split the data into two separate groups requires $2^{N-1}-1$ calculations. (For $N = 100$, $2^{N-1}-1$ is of the order of 10^{65}). However, if the independent variable has a natural ordering (e.g., age) then only groups which consist of contiguous categories of the independent variable need be considered. In this case, there is only one acceptable combination of the variables and the amount of computation necessary to divide the data into two separate groups is reduced to $N-1$. In the case where there does not exist a natural ordering of the independent variables, an ordering must be imposed on the variables in order to reduce the amount of computation to a feasible level. Ericson [1] has shown that if the data is arranged in the order of the mean of the dependent variable and if of the $N-1$ possible two group partitions of the data ordered in this manner the partition which minimizes the TWGSSQ(2) is chosen, then this partition of the data minimizes the TWGSSQ(2) for <u>all</u> possible partitions of the data. Thus, for any data set, there is always an ordering scheme available, either natural or imposed, which will reduce the amount of computation to a feasible level.

Once the data has been ordered, the actual computation of the multiple group configuration which results in a minimization of the TWGSSQ can be approached from two points of view: the actual optimal solution can be calculated at a high computational cost or a suboptimal solution can be found at a greatly reduced computational cost. In order to compare the two approaches, consider the Lake Michigan - Huron problem first analyzed by Fisher [2]. The Lake Michigan - Huron data consists of the highest monthly mean level of Lake Michigan - Huron for the years 1860 - 1955. The problem is to divide the data into groups of years such that the TWGSSQ is a minimum. Fisher determined the optimal solution to the problem by obtaining a complete evaluation of the TWGSSQ for all possible group configurations for one through ten groups. The solution obtained by Fisher to the problem is given in Table 1.

G	MTWGSSQ	R	Partitions								
1	166.14	0.									
2	86.73	48.0	31								
3	74.00	55.46	30	61							
4	49.69	70.09	30	63	83						
5	44.63	73.14	30	63	71	82					
6	35.80	78.45	30	63	68	71	82				
7	30.80	81.46	30	63	68	71	82	91			
8	28.57	82.20	23	29	63	68	71	82	91		
9	25.59	84.60	3	23	29	63	68	71	82	91	
10	23.59	85.80	3	23	29	63	68	71	78	82	91

Table 1

Optimal solution of the Lake Michigan - Huron Problem

Where G is the number of groups into which the data is divided, MTWGSSQ is

the minimum TWGSSQ when the data is divided in G groups and R is the percent reduction obtained by dividing the data into G groups. If the data is divided into 3 groups, then the groups consisting of the first through the 30^{th} year of the study, the 31^{st} through the 61^{st} year and the 62^{nd} through the last year of the study are the configuration of groups which results in the minimum TWGSSQ (74.00).

A natural computation method for obtaining the above complete enumeration of all possible group configurations is a dynamic programming formulation. For this problem, the recursion relation to the dynamic program may be written:

$$F_g(j) = \min_{g \leq i \leq j} \left\{ C_{ij} + F_{g-1}(i-1) \right\} \qquad (6)$$

in which

C_{ij} = WGSSQ of the group consisting of the i^{th} through the j^{th} category of the independent variable

$F_g(J)$= minimum TWGSSQ when categories 1 though j are divided into g groups.

The domain of the minimization is restricted to values between g and j to eliminate contradictory situations. If i were allowed to be less than g, then situations such as $F_5(4)$ would occur. $F_5(4)$ is the minimum total within group sum of squares when the first through the fourth category of the independent variable is divided into 5 groups. This, of course, is an impossible situation. The minimization may take place only over values which are less than j, since there are only j categories available. Beginning with $j = 1$, the values of $F_g(j)$ are calculated for $1 \leq j \leq N$ and $1 \leq g \leq G$. The problem is solved when $F_g(N)$ has been calculated. The actual partition of the groups is obtained by storing the values of the minimization parameter (i) which led to $F_G(N)$. A program using the dynamic

programming formulation was written in CML (Computer Modeling Language) and was used to duplicate Fisher's results for the Lake Michigan - Huron problem.

An alternative approach to the problem is not to evaluate all possible multiple group configurations and thus reduce the amount of computation which is necessary. However, such a procedure may produce results which are suboptimal. Sonquist and Morgan [3] have suggested dividing the data, through a series of binary splits, into a mutually exclusive series of subgroups. The following algorithm uses the binary split approach to partition a set of data:

1. If a natural ordering of the independent variables does not exist then order the categories of the independent variable in order of the mean of the dependent variable.
2. Inititially the data set as a whole is considered as the only group.
3. Of the existing g groups, select that group which when split will result in the largest reduction in the TWGSSQ. If after splitting, this group

$$TWGSS(g) - TWGSS(g+1) \geq F\ (TSSQ)$$

where F is a specified fraction (usually 1%), then repeat step 3. Otherwise, terminate the process.

The algorithm may be modified to include the requirements that any group formed contain at least a specified number of observations and that no more than a specified number of groups be formed.

This algorithm requires that once a split has been made that all successive group configurations contain a split at that point. This will, of course, not necessarily lead to an optimal solution. This is illustrated in the Lake Michigan - Huron problem; the original split was at 31st year but none of the successive group configurations contained a split at that point. A program using the above binary split algorithm was written in CML and the results given in Table 2 were obtained for the Lake Michigan - Huron problem:

G	TWGSQ	R	Partitions								
1	166.14	0.									
2	86.73	48.00	31								
3	74.49	55.16	31	61							
4	52.02	68.89	31	61	83						
5	45.70	72.49	31	61	71	83					
6	39.02	76.51	31	61	68	71	83				
7	34.68	79.13	31	61	68	71	83	91			
8	31.61	80.97	31	61	68	71	78	83	91		
9	28.87	82.62	31	61	65	68	71	78	83	91	
10	26.53	84.03	3	31	61	65	68	71	78	83	91

Table 2

Solution of the Lake Michigan - Huron Problem
by the binary split algorithm

The dynamic program and the binary split algorithm always yield the same solution for a single split, but the solutions may differ on successive splits. In the Lake Michigan - Huron problem the net improvement over the binary split algorithm in the reduction in the TWGSSQ for ten groups gained by the use of the dynamic program is about 2 percent. However, the amount of computation necessary to gain this improvement is substantial. The dynamic program requires that approximately GN $F_g(j)$'s be calculated.

Each $F_g(j)$ can require up to N calculations. Thus, for the dynamic program the amount of computations is approximately proportional to GN^2. The binary split algorithm requires that initially the WGSSQ for the N possible group be calculated. However, on successive splits only the WGSSQ for n possible group configurations must be calculated (where $n \leq N$ is the size of the group being split). Thus, for the binary split approach the amount of computation is approximately proportional to

$$N \sum_{i=1}^{G} f_i \leq NG$$

where the f_i's are approximately equal to n/N . Even for a moderate number of categories of the independent variable the dynamic program can be considerably more expensive.

The results of computer experiments with these procedures supported expectations based on the above estimates. Further, the general results obtained in the Lake Huron - Michigan problem were consistently observed in other data sets which were analyzed by the dynamic program and the binary split approach. An improvement of a few percent in the reduction in the TWGSQ could be obtained by using the dynamic program but only at a sizeable increase in the amount of computation necessary to solve the problem. For this reason the binary split algorithm was chosen as the method used by AUTOGRP to partition data into distinctive groups. However, a detailed analysis of how the solutions obtained by the two methods differ as a function of the underlying distribution of the data has not yet been accomplished. Certain classes of distributions may exist in which the optimal solution may differ significantly from the solution obtained by the binary split algorithm. For these classes, it may be preferable to use the optimal dynamic program to obtain the solution to the problem.

References

[1] Ericson, W.A.: A note on partitioning for maximum between sum of equares. Appendix C in Detection of Interaction Effects, by John A. Sonquist and James N. Morgan, Institute for Social Research, University of Michigan, Ann Arbor, Michigan, 1964.

[2] Fisher, W.D., "On grouping for maximum homogeneity," Journal of the American Statistical Association, vol. 53, 1958, 789-798.

[3] Sonquist, John A. and Morgan, James N. Detection of Interaction Effects. Institute for Social Research, University of Michigan, Ann Arbor, Michigan, 1964.

Appendix E

Source Listings

A computer program was written that determines for each hospital discharge abstract its appropriate group (DRG) number by referencing pertinent information on the record - primary and secondary disgnoses, primary and secondary surgical procedures, age, and special services. The source listings of this program for ICDA8, HICDA and HICDA2 codes appear in Appendices E.1, E.2 and E.3, respectively. The program written to process abstracts with ICDA8 codes was modified to handle MACOC data and appears in Appendix E.4. Although it is written in Conversational Modelling Language (CML), the syntax is readable and does not require extensive familiarity with the language to interpret. Appropriate source listings are referenced when one requires knowledge of the specific diagnostic and surgical codes which comprise a terminal group (DRG).

The program assigns the appropriate DRG number after comparing information on the record to the group definitions. If a record satisfies all the criteria for a given DRG, then it is assigned that group number. Source listings can be easily interpreted with the aid of the tree diagrams appearing in Appendix C. SELECT statements, for example SELECT DX1, identify the variables used in the grouping process. They correspond to the triangles in the diagram. WHEN and OWISE (i.e. otherwise) statements are nested within SELECT statements; the former specifying the levels or codes of the variable selected, the latter corresponding to all remaining codes not specified in a preceding WHEN statement. They indicate how subgroups are formed on the basis of that variable and correspond to the branches in the tree, represented symbolically by lines emanating from the triangles. A WHEN or OWISE statement that completes a DRG definition (i.e. results in the formation of a terminal group) is followed by an equal sign and the group number. For ease of reading, sections of the program dealing with specific major diagnostic categories are blocked off with comment statements beginning with "/*" and followed by the category name and number, (e.g. /* Diseases of the eye = 23).

For example, refer to Figures 1 and 2 for the tree diagram and ICDA8 source listing corresponding to the first major diagnostic category, Infectious Diseases. The comment

```
/* Infectious Diseases = 1
```

marks the beginning of that portion of the program which handles the processing of records belonging to Major Diagnostic Category 1. The WHEN statement immediately following this comment specifies the ICDA8 diagnosis code ranges which comprise this category:

```
WHEN 000-0689, 071-1360
```

As the tree diagram indicates, this initial group is first split into three subgroups - labeled D1, D2, D3 - based on primary diagnosis, Dx1. Records contained in D1 are further classified on the basis of age - A1 (0-15) and A2 (>15). Those contained in D2 and D3 are further subdivided on the basis

of the presence or absence of secondary diagnosis and surgery, respectively. Thus, from the diagram it is evident that records satisfying the diagnostic criteria for membership in Major Diagnostic Category Infectious Diseases (primary diagnosis in the range 000-0689, 071-1360) are further reclassified into one of six groups:

1. primary diagnosis code in D1 and age 0-15,
2. primary diagnosis code in D1 and age >15,
3. primary diagnosis code in D2 with no secondary diagnosis,
4. primary diagnosis code in D2 with secondary diagnosis,
5. primary diagnosis code in D3 with no surgery,
6. primary diagnosis code in D3 with surgery.

Therefore, the program, once it has properly classified the record into Major Diagnostic Category 1, next checks its primary diagnosis code for classification on the basis of D1, D2 or D3:

```
SELECT Dx1

   WHEN 008-0091
   WHEN 001,0020,...
   OWISE
```

The D1 branch contains diagnosis codes 008-0091, the D3 branch contains diagnosis codes 001, 0020, 0030, etc. and the D2 branch (OWISE) contains all other codes not listed under D1 or D2. Records meeting the criteria for D1 are further reclassified on the basis of age:

```
SELECT AGE

   WHEN 0-15          = 1

   TITLE 1 ...

   OWISE

   TITLE 2 ...        = 2
```

Thus, those records with age 0-15 are assigned group (DRG) number 1 and all other ages assigned group (DRG) number 2. A brief group description appears after the word 'TITLE' and the DRG number. Likewise, records meeting the criteria for D3 are further classified on the basis of the absence of any secondary diagnosis (Dx2):

```
SELECT Dx2
   WHEN 0000, '    '          = 3
   TITLE 3
   OWISE
   TITLE 4                    = 4
```

and, records meeting the criteria for D2 are further classified on the basis of the absence of any surgery (OPER1):

```
SELECT OPER1
   WHEN 000, '    '           = 5
   TITLE 5
   OWISE
   TITLE 6                    = 6
```

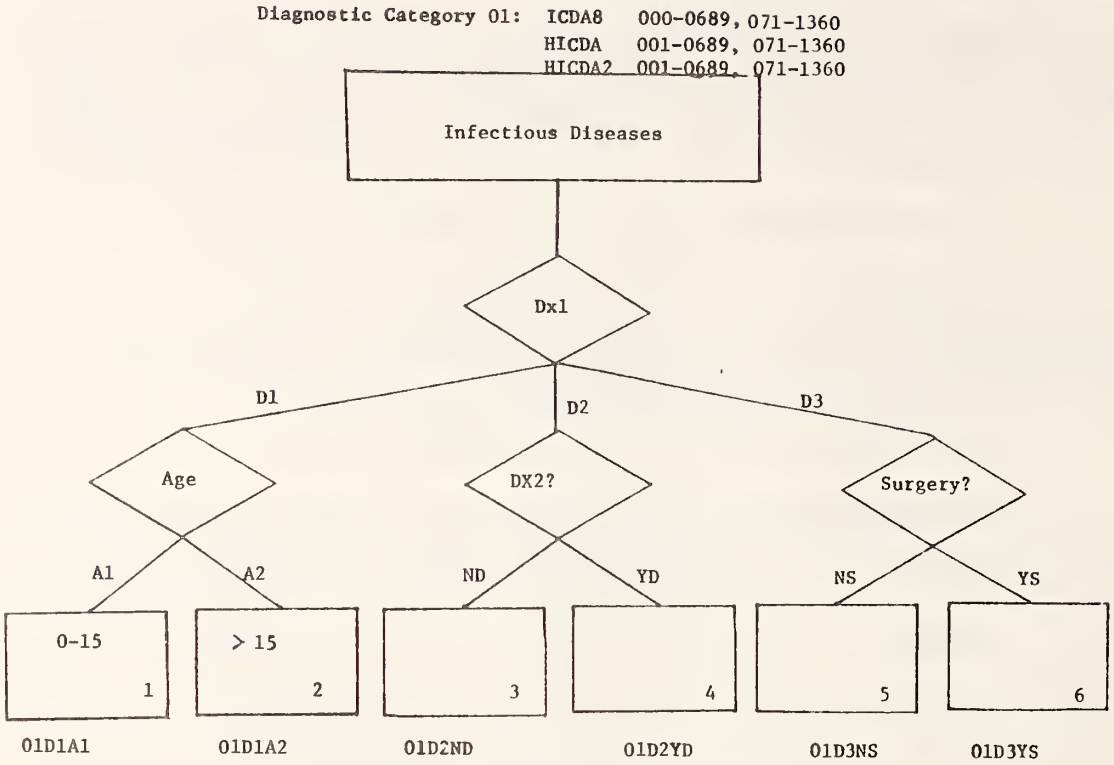


Figure 1: Tree Diagram

```
/* INFECTIOUS DISEASES = 1

WHEN 000-0689, 071-1360

  SELECT DX1
     WHEN 008-0091
        SELECT AGE
           WHEN 0-15                                                    =1
           TITLE  1 '01D1A1'
                    'ENTERITIS DIARRHEAL DIS OF AGE<16'
           OWISE                                                        =2
           TITLE  2 '01D1A2'
                    'ENTERITIS DIARRHEAL DIS OF AGE>15'
     WHEN 001,0020,0030,0039,0060,0110-0113,0119-0122,0130,0150,
          0162,0170,0171,0179,0180,0189,0270,0310,0361,0380,0381,
          0388,0389,0430,046,0460,0532,0539,066,0660,0781,0840,
          0940,0970,0983,1009,1150,1173,1228,1240,
          1350,1360,135
        SELECT OPER1
           WHEN 000,'    '                                              =5
           TITLE  5 '01D3NS'
            'SEPTICEMIA TBC SARCOIDOSIS SALMONELLA INFECTN WO OPER'
           OWISE                                                        =6
           TITLE  6 '01D3YS'
                    'SEPTICEMIA TBC SARCOIDOSIS SALMONELLA INFECTN W OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                            =3
           TITLE  3 '01D2ND'
                    'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,
WART,OTH)WO DX2'
           OWISE                                                        =4
           TITLE  4 '01D2YD'
                    'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,
WART,OTH) W DX2'
```

Figure 2: Source Listing

Appendix E.1

Source Listing of ICDA8 Grouping Program

```
EXEC GSYNTAX
TURN ALIGN OFF
REGISTER 10:GNUM I.2,DX1 C.4,DX2 C.4,OPER1 C.3,OPER2 C.3,AGE I.1,SERV I.1
TURN ALIGN ON
LANGUAGE GROUPER
WORK FILE TEMPMSTR S 1100
TITLE OPEN '18TITLES S 384'
START DX1 IN GCCBQA8 USING 6000

/* INFECTIOUS DISEASES = 1

WHEN 000-0689, 071-1360

  SELECT DX1
     WHEN 0C8-C091
        SELECT AGE
           WHEN 0-15                                                    =1
           TITLE  1 '01D1A1'
                    'ENTERITIS DIARRHEAL DIS OF AGE<16'
           OWISE                                                        =2
           TITLE  2 '01D1A2'
                    'ENTERITIS DIARRHEAL DIS OF AGE>15'
     WHEN 001,0020,0030,0039,0060,0110-0113,0119-0122,0130,0150,
          0162,0170,0171,0179,0180,0189,0270,0310,0361,0380,0381,
          0388,0389,0430,046,0460,0532,0539,066,0660,0781,0840,
          0940,0970,C983,1009,1150,1173,1228,1240,
          1350,1360,135
        SELECT OPER1
           WHEN 000,'   '                                               =5
           TITLE  5 '01D3NS'
            'SEPTICEMIA TBC SARCOIDOSIS SALMONELLA INFECTN WO OPER'
           OWISE                                                        =6
           TITLE  6 '01D3YS'
                    'SEPTICEMIA TBC SARCOIDOSIS SALMONELLA INFECTN W OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'                                                  =3
           TITLE  3 '01D2ND'
                    'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,
WART,OTH)WO DX2'
           OWISE                                                        =4
           TITLE  4 '01D2YD'
                    'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,
WART,OTH) W DX2'

/* MALIGNANT NEOPLASM OF DIGESTIVE SYSTEM = 2

WHEN 140-1590
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 140-1490,1530-1533,155-1561,1569                        =7
           TITLE  7 '02NSD1'
                    'CA OF ORAL CAVTY,COLON,GALLBLDR WO OPER'
           OWISE                                                        =8
           TITLE  8 '02NSD2'
                    'CA OF G-I SYST EXCEPT ORAL CAVTY,COLON,GALLBLDR WO OPER'
     WHEN A19,041,202-206,240,26,278,342,350,352,354,356,391,393,
          395,397,403,421,422,430,432-436,440-442,451,460,
          462-465,468-469,474-476,478-483,503,509,512,540,
          545,552,555,557,559,671,673,692,712,920,963,973,
          975                                                           =11
     TITLE  11 '02YSP2'
               'CA OF G-I SYST W EXPLR LAPLTMY,RESECTN INTESTIN,OTH MAJOR OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                            =9
           TITLE  9 '02YSP1ND'
                    'CA OF G-I SYST W BIPSY,ENDOSCPY,LOCAL EXCSN,
OTH MINOR OPER WO DX2'
           OWISE                                                        =10
           TITLE  10 '02YSP1YD'
                     'CA OF G-I SYST W BIPSY,ENDOSCPY,LOCAL EXCSN,OTH
```

```
MINOR OPER W DX2'
/*MALIGNANT NEOPLASM OF RESPIRATORY SYSTEM = 3

WHEN 160-1639
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN 0000,'    '                                          =12
           TITLE  12 '03NSND'
                     'CA OF RESP SYST WO OPER WO DX2'
           OWISE                                                     =13
           TITLE  13 '03NSYD'
                     'CA OF RESP SYST WO OPER W DX2'
     WHEN A29,A46,A51,
          202,203,205,206,290-291,320,322,324,331,341-344,356,
          391,422,436,464,479,80+,815,825,864,871,934,942,
          962,972,973                                              =16
     TITLE  16 '03YSP2'
               'CA OF RESP SYST W LOBECTMY,PNEUMONECTMY,OTH MAJOR OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                          =14
           TITLE  14 '03YSP1ND'
                     'CA OF RESP SYST W BIPSY,ENDOSCPY,OTH MINOR OPER WO DX2'
           OWISE                                                     =15
           TITLE  15 '03YSP1YD'
                     'CA OF RESP SYST W BIPSY,ENDOSCPY,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF SKIN = 4

WHEN 172-1739
  SELECT DX1
     WHEN 173-1739,1722-1724
        SELECT DX2
           WHEN 0000,'    '                                          =17
           TITLE  17 '04D1ND'
                     'CA OF SKIN EXCEPT MALIG MELANOMA WO DX2'
           OWISE                                                     =18
           TITLE 18 '04D1YD'
                     'CA OF SKIN EXCEPT MALIG MELANOMA W DX2'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                          =19
           TITLE  19 '04D2ND'
                     'MALIG MELANOMA WO DX2'
           OWISE                                                     =20
           TITLE  20 '04D2YD'
                     'MALIG MELANOMA W DX2'

/* MALIGNANT NEOPLASM OF BREAST = 5

WHEN 174-1740
  SELECT OPER1
     WHEN 000,'    '
        SELECT AGE
           WHEN 0-62                                                 =21
           TITLE  21 '05NSA1'
                     'CA OF BREAST WO OPER OF AGE<63'
           OWISE                                                     =22
           TITLE  22 '05NSA2'
                     'CA OF BREAST WO OPER OF AGE>62'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                          =23
           TITLE  23 '05YSND'
                     'CA OF BREAST W OPER WO DX2'
           OWISE                                                     =24
           TITLE  24 '05YSYD'
                     'CA OF BREAST W OPER W DX2'
```

```
/* MALIGNANT NEOPLASM OF FEMALE GENITAL ORGAN = 6

WHEN 180-1849, 2340,6211,6291

  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN 0000,'    '                                          =25
           TITLE  25 '06NSND'
                     'CA OF FEMALE GENITL ORG WO OPER WO DX2'
           OWISE                                                     =26
           TITLE  26 '06NSYD'
                     'CA OF FEMALE GENITL ORG WO OPER W DX2'
     WHEN A17,A19,A26,A27,A44,032,250,251,252,320,
          321,391,394,395,397,434,474,478,480-483,
          560-561,566,582,671-672,674-675,691-693,
          697,712-713,715,718,723,746,925
        SELECT DX1
           WHEN 182-1829,2340                                        =29
           TITLE  29 '06YSP2D1'
                     'CA OF UTERUS-CORPUS W (HISTRECTMY,EXPLR LAPARTMY,
OTH MAJOR OPER'
           OWISE                                                     =30
           TITLE  30 '06YSP2D2'
                     'CA OF UTERUS-CERVIX OVARY W HISTRECTMY OTH MAJOR OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                          =27
           TITLE  27 '06YSP1ND'
                     'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,
OTH MINOR OPER WO DX2'
           OWISE                                                     =28
           TITLE  28 '06YSP1YD'
                     'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,
OTH MINOR OPER W DX2'

/* MALIGNANT NEOPLASM OF MALE GENITAL ORGAN = 7

WHEN 185-1879
  SELECT OPER1
     WHEN 000,'    '                                               =31
     TITLE  31 '07NS'
               'CA OF MALE GENITL ORG WO OPER'
     WHEN A21,A29,C10,017,030,304,321,382,391,478,511,
          560,563,572,581-583,585,592,601,611.                     =34
     TITLE  34 '07YSP2'
               'CA OF MALE GENITL ORG W PROSTECTMY,OTH MAJOR OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                         =32
           TITLE  32 '07YSP1ND'
                     'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY WO DX2'
           OWISE                                                    =33
           TITLE  33 '07YSP1YD'
                     'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY W DX2'

/* MALIGNANT NEOPLASM OF URINARY SYSTEM = 8

WHEN 188-1899
  SELECT OPER1
     WHEN 000,'    '                                              =35
     TITLE  35 '08NS'
               'CA OF URINARY SYST WO OPER'
     WHEN A27,A28,032,320,345,382,391,465,474,
          477,478,540-542,544-545,551-553,
          555,560,562-563,718                                      =38
     TITLE  38 '08YSP2'
               'CA OF URINARY SYST W NEPHRECTMY,CYSTECTMY,OTH MAJOR OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                        =36
           TITLE  36 '08YSP1ND'
```

```
                    'CA OF URINARY SYST W CYSTOSCPY,LOCAL EXCISN,
OTH MINOR OPER WO DX2'
          OWISE                                                    =37
          TITLE  37 '08YSP1YD'
                    'CA OF URINARY SYST W CYSTOSCPY,LOCAL EXCISN,
OTH MINOR OPER W DX2'
/* MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES = 9

WHEN 170-1719,190-1991
  SELECT OPER1
    WHEN CCO,'   '
      SELECT DX1
        WHEN 1707,1709,1711-1713,1719,190,192,
             1922,1924-1925,1930,1942,1950,1960,
             1963                                                  =39
        TITLE  39 '09NSD1'
                    'CA OF BONE,THYROID,CONN TISSUE,NERVES WO OPER'
        OWISE
          SELECT DX2
            WHEN 0000,'    '                                       =40
            TITLE  40 '09NSD2ND'
                        'CA OF BRAIN, SECONDARY CA,MULTIPL CA WO OPER WO DX2'
            OWISE                                                  =41
            TITLE  41 '09NSD2YD'
                        'CA OF BRAIN,SECONDARY CA,MULTIPL CA WO OPER W DX2'
    WHEN A10-A11,A17-A19,A43,010,013,016-017,022,
         024,030,033,051,092,172,202,205,275,278-279,
         322,324,340,342-343,352-353,391,421,430,
         432,434-435,464-465,474-476,478,480-481,540,
         545,557,560,563,568,582,655,692,713,804,815-816,
         821,825,827,329,857-858,863-864,971-973                   =44
    TITLE  44 '09YSP2'
                'CA OF BONE,CONN TISSUE,NERVES,SECONDARY CA,
MULTIPL CA W MAJOR OPER'
    OWISE
      SELECT DX1
        WHEN 1709-1710,1712,190,1900,191,1921,1924-1925,
             193,1930,1959,1960-1961,1963-1964,1971,
             1981-1982,1989,1991                                   =42
        TITLE  42 '09YSP1D1'
                    'CA OF THYROID,CONN TISSUE,NERVES W BISPY,EXCISN,
OTH MINOR OPER'
        OWISE                                                      =43
        TITLE  43 '09YSP1D2'
                    'SECONDARY CA,MULTIPL CA W BIPSY,EXCISN,OTH MINOR OPER'

/*NEOPLASM OF LYMPHATIC AND HEMOPOIETIC TISSUE = 10

WHEN 200-2090

  SELECT AGE
    WHEN 0-15
      SELECT DX2
          WHEN 0000,'    '                                       =45
          TITLE  45 '10A1ND'
                      'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 WO DX2'
          OWISE                                                  =46
          TITLE  46 '10A1YD'
                      'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 W DX2'
    OWISE
      SELECT OPER1
        WHEN 000,'   '
          SELECT DX1
            WHEN 2000,2001,201,2010,2018,
                 2022,2049,2059,2071-2072,
                 2079,208,2080,209,2090
              SELECT DX2
                WHEN 0000,'    '                                 =47
                TITLE  47 '10A2NSD1ND'
                            'HODGKINS DIS,RETICULM-CELL SARCMA
WO OPER OF AGE>15 WO DX2'
                OWISE                                            =48
```

```
                        TITLE  48 '10A2NSD1YD'
                                  'HODGKINS DIS,RETICULM-CELL,SARCMA
WO OPER OF AGE>15 W DX2'
                    OWISE                                              =49
                    TITLE  49 '10A2NSD2'
                                  'MULTIPL MYELOMA,LEUKEMIA(LYMPH,MYELOID,MONO)
WO OPER OF AGE>15'
               WHEN 22,A16,A19,A23,A25,A26,A27,A29,A42,
                    A46,A49,A51,195-196,230,251-252,302,
                    321,394,474,582,652,676,679,747,756,
                    760,804,882,920-921,994
                  SELECT DX2
                    WHEN 0000,'    '                                   =50
                    TITLE  50 '10A2YSP1ND'
                                  'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS
W MINOR OPER OF AGE>15 WO DX2'
                    OWISE                                              =51
                    TITLE  51 '10A2YSP1YD'
                                  'NEOPL OF LYMPTIC HEMATOPOIETIC TISS
W MINOR OPER OF AGE>15 W DX2'
               OWISE                                                   =52
               TITLE  52 '10A2YSP2'
                                  'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS
W MAJOR OPER OF AGE>15'

/*BENIGN NEOPLASM OF FEMALE GENITAL ORGAN = 11

WHEN 218-2219
  SELECT DX1
     WHEN 219,2190,2211-2212,2218
        SELECT DX2
           WHEN 0000,'    '                                            =53
           TITLE  53 '11D1ND'
                        'BEN NEOPL OF UTERUS(PAPILOMA,POLYP),VAGINA,VULVA WO DX2'

           OWISE                                                       =54
           TITLE  54 '11D1YD'
                        'BEN NEOPL OF UTERUS(PAPILLOMA,POLYP),VAGINA,VULVA W DX2'
     OWISE
        SELECT OPER1
           WHEN 000,'   '                                             =55
           TITLE  55 '11D2NS'
                        'BEN NEOPL OF UTERUS(FIBROMA),OVARY WO OPER'
           WHEN A27,A46,A53,201,472,503,652,670,679,
                682,685-686,689,702-703,703,710-711,
                716,718-719
              SELECT OPER2
                WHEN 000,'   '                                         =56
                TITLE  56 '11D2YSP1NS'
                                  'BEN NEOPL OF UTERUS(FIBROMA),
OVARY W D&C,EXCISN UTERUS WO OPER2'
                OWISE                                                  =57
                TITLE  57 '11D2YSP1YS'
                                  'BEN NEOPL OF UTERUS(FIBROMA),
OVARY W D&C EXCISN UTERUS W OPER2'
           WHEN A25,205,411,566,672,675,691,692,693-695,
                707,709,713,721,747,825,921                            =59
           TITLE  59 '11D2YSP3'
                        'BEN NEOPL OF UTERUS(FIBROMA),
OVARY W HYSTERECTMY(ABDMINAL VAGINAL)'
           OWISE                                                       =58
           TITLE  58 '11D2YSP2'
                        'BEN NEOPL OF UTERUS(FIBROMA),
OVARY W OOPHORECTMY,HYSTERCMYCMECTMY'

/*BENIGN NEOPLASM OF OTHER SITES = 12

WHEN 210-2169,222-2330,2341-2399,2552,7434,7571
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 2111,2115,2117,2123,2168,2250,2252,2259,2262,
                2300-2301,2303-2304,2307,2313,2315,2320,
```

```
              2350,2362,2375,2381,2391,2399,2552                    =61
           TITLE  61 '12NSD2'
                     'BEN NEOPL OF BRAIN,PITUITRY GL,OTH UNSPEC WO OPER'
           OWISE                                                    =60
           TITLE  60 '12NSD1'
                     'BEN NEOPL OF INTESTIN,URINARY SYST,LIPOMA,
HEMANGIOMA WO OPER'
     OWISE
        SELECT DX1
           WHEN 2112-2114,2119,2124-2125,2139,2220,2231-2232,
                2255,2272,2300-2301,2303,2310,2313,2315,
                2319-2321,2349,235,2350,2362,2369,2399,7434
              SELECT OPER1
                 WHEN A14,A22,A29,A42,A44,A46,010,022,030,
                      032,077,145,252,291,302,320,323,342,
                      391,403,435,470,475,478,485,503,
                      518,544,694,723,862,864                       =67
                 TITLE  67 '12YSD2P2'
                           'BEN NEOPL OF INTESTIN,NERVES W EXPLR LAPLATMY,
OTH MAJOR OPER'
                 OWISE
                    SELECT DX2
                       WHEN 0000,'    '                            =65
                       TITLE  65 '12YSD2P1ND'
                                 'BEN NEOPL OF INTESTIN NERVES W EXCISN ORG,
OTH MINOR OPER WO DX2'
                       OWISE                                        =66
                       TITLE  66 '12YSD2P1YD'
                                 'BEN NEOPL OF INTESTIN,NERVES W EXCISN ORG,
OTH MINOR OPER W DX2'
           WHEN 2110-2111,2115,2123,2230,2250-2254,2259,
                2261-2262,2304-2307,2370,2373,2381,2384,2552        =68
           TITLE  68 '12YSD3'
                     'BEN NEOPL OF STOMACH,BRAIN,RESP SYST,
PITUITARY GL W OPER'
           OWISE
              SELECT DX2
                 WHEN 0000,'    '                                  =62
                 TITLE  62 '12YSD1ND'
                           'BEN NEOPL OF SKIN BONE,URINARY SYST,
CONN TISS W OPER WO DX2'
                 OWISE
                    SELECT AGE
                       WHEN 0-42                                    =63
                       TITLE  63 '12YSD1YDA1'
                                 'BEN NEOPL OF SKIN,BONE,URINRY SYST,
CONN TIS W OPER W DX2 OF AGE<43'
                       OWISE                                        =64
                       TITLE  64 '12YSD1YDAL'
                                 'BEN NEOPL OF SKIN,BONE,URINRY,SYST,
CONN TIS W OPER W DX2 OF AGE>42'

/*DISEASES OF THYROID AND OTHER ENDOCRINE GLANDS = 13

WHEN 240-2460,251-2551,2559-2589
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN 2421-2422,2440,2521,2531-2532,
                2539,2559,2589                                      =70
           TITLE  70 '13NSD2'
                     'GOITER(TOXIC),THYROTOXICOSIS,MYXEDEMA,
PITUITARY HYPOFUNCTN WO OPER'
           OWISE                                                    =69
           TITLE  69 '13NSD1'
                     'GOITER(SIMPL,NONTOXIC),ENDOC DIS(ADRNL,OTH MINOR) WO OPER'
     WHEN 77,A10,A18-A19,A27-A28,A43,A45-A46,010-011,
          013,017,090,145,171,198,202,225,231,261,321,
          394,463,468,513,575,653,692,816,823,825,921               =72
     TITLE  72 '13YSP2'
               'ENDOCRINE DISORDER W HYPOPHYSECTMY,
PARATHYROIDECTMY OTH MAJOR OPER'
     OWISE                                                          =71
     TITLE  71 '13YSP1'
```

```
                'ENDOCRINE DISORDER W THYROIDECTMY,OTH MINOR OPER'
/*DIABETES = 14

WHEN 250-2509
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN Y102,Y105,0539,0799,1330,1977,2010,2049,2422,
                2440,2589,268,269L,2699,279-2790,2825,2829,
                2940-2999,3040,3093,3099,3209,3420,3449,
                3479,3500,35L0,3579,3759,3840,3880,401-4550,
                4589,462,4720,4810,485,4860,4910,4920,4930,
                5110,5170,5233,5319,5329,5579,5512,5631,
                5719,5741,5769,5770-5779,582,5820,5840,
                5900,5932,5969,5990,6073,6221,6260,6360,
                68C9,6821,6824,6825,6963,7040,7070-7079,
                7123,7131,7150,7171,7179,7202,7210,7269,730,
                7319,7468,7799,78C0,7851,7884,792,8070,
                8204,85C0,920C,9623,9985                              =75
           TITLE  75 '14NSX2'
                     'DIABETES WO OPER W MAJOR DX2'
           OWISE
              SELECT AGE
                 WHEN 0-35                                            =73
                 TITLE  73 '14NSX1A1'
                           'DIABETES OF AGE<36 WO OPER WO DX2 OR w MINOR DX2'
                 OWISE                                                =74
                 TITLE  74 '14NSX1A2'
                           'DIABETES OF AGE>35 WO OPER WO DX2 OR W MINOR DX2'
     WHEN A53,051,135,247-249,251,301,391,462,503,582,
          802,825,855-858,872,920                                     =77
     TITLE  77 '14YSP2'
               'DIABETES W AMPUTATN EXTREMITY,OTH MAJOR OPER'
     OWISE                                                            =76
     TITLE  76 '14YSP1'
               'DIABETES W ENDOSCPY,BIPSY,PHOTOCOAGULATN RETINA,OTH MINOR OPER'

/* NUTRITICNAL AND OTHER METABOLIC DISEASES = 15

WHEN 260-2790
  SELECT DX1
     WHEN 2640,2690,2699,2710,2722,2730,279,2790                      =80
     TITLE  80 '15D2'
               'METABOLIC DIS OF CYSTIC FIBROSIS,SPRUE,STEATORRHEA,OTH & UNSPEC'
     WHEN 2638,2639,268,2680,2691,2700,2702,2711,
          2733,2734,2754,276,277,2789,2800                            =81
     TITLE  81 '15D3'
               'METABOLIC DIS OF UNSPEC OBESITY,
AMYLOIDOSIS HEPATOLENTICULAR DEGN'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                          =78
           TITLE  78 '15D1ND'
                     'METABOLIC DIS OF GOUT,GLOBULINOPATHY,XANTHOMATOSIS WO DX2'
           OWISE                                                     =79
           TITLE  79 '15D1YD'
                     'METABOLIC DIS OF GOUT,GLOBULINOPATHY,XANTHOMATOSIS W DX2'

/*DISEASES OF BLOOD AND BLOOD FORMING ORGANS = 16

WHEN 280-2890,2894-2899,6345
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN 0039,0389,1350,2022,2113,244,2509,2510,
                2580,2638,269L,2699,2732,274,2759,2819,
                2840,2869,2871,2910,3093,3099,3959,
                3980-4389,4409,
                4439,4630,4810,486,4860,4930,5010,
                5030,5170,5300,5319,5329,5609,5630,
                5699,5749,5760,5769,580,5950,5963,
                6295,6829,7061,7070,7071,7130,7131,
```

```
                7161,7210,7341,7302,7825,7829,7831,
                785,7852,792,9290,9631,9642,9735,
                9779,9820,9942,9975                                    =85
            TITLE  85 '16NSX2'
                      'DIS OF BLOOD & BLOOD FORMING ORG WO OPER W MAJOR DX2'
            OWISE
               SELECT DX1
                  WHEN 2820-2821,2824,2829,
                       285,2860-2861,2869,2879,
                       288,2880,2894-2895,2898,6345
                     SELECT AGE
                        WHEN 0-10                                      =82
                        TITLE  82 '16NSX1D1A1'
                                  'MEDITER ANEMIA,HEMOPHILIA OF AGE<11 WO OPER
WO DX2 OR MINOR DX2'
                        OWISE                                          =83
                        TITLE  83 '16NSX1D1A2'
                                  'MEDITER ANEMIA,HEMOPHILIA OF AGE>10 WO OPER
WO DX2 OR W MINOR DX2'
                     OWISE                                             =84
                     TITLE  84 '16NSX1D2'
                               'HEMOGLOBINOPATHY,THROMBOCYTOPENIA WO OPER
WO DX2 OR W MINOR DX2'
      OWISE
         SELECT AGE
            WHEN 0-1,54-99                                             =87
            TITLE  87 '16YSA2'
                      'DIS OF BLOOD & BLOOD FORMING ORG
W OPER OF AGE<1 OR AGE>53'
            OWISE                                                      =86
            TITLE  86 '16YSA1'
                      'DIS OF BLOOD & BLOOD FORMING ORG W OPER OF AGE 2-53'

/*PSYCHOSES NOT ATTRIBUTED TO PHYSICAL CONDITIONS = 17

WHEN 295-2990
  SELECT DX1
     WHEN 2952,2953,2956,2958,2959,2960,2968,2969,
          2970,2979,2981,2982,2983,2989,299,2990
        SELECT SERV
           WHEN 6                                                      =88
           TITLE  88 '17D1S1'
                     'SCHIZO(PARANOID,CATATONIC,UNSPEC),
INVOL MELANCHOLIA W PSYCH SERV'
           OWISE                                                       =89
           TITLE  89 '17D1S2'
                     'SCHIZO(PARANOID,CATATONIC,UNSPEC),
INVOL MELANCHOLIA WO PSYCH SERV'
     OWISE                                                             =90
     TITLE  90 '17C2'
               'SCHIZO(AFFECTIVE,ACUTE EPISODE) MANIC-DEPRESSIVE PSYCHOSIS'

/* NEUROSES = 18

WHEN 300-3029
  SELECT DX1
     WHEN 3003,3004,3006,301-3019                                      =92
     TITLE  92 '18D2'
               'NEUROSES(OBSESSIVE-COMPULSIVE,DEPRESSIVE),PERSONALITY DISORDERS'
     OWISE                                                             =91
     TITLE  91 '18D1'
               'NEUROSES(ANXIETY,HYSTERICAL,PHOBIC,HYPOCHONDRIACAL,UNSPEC)'

/*ALCOHOLIC MENTAL DISORDER AND ADDICTION = 19

WHEN 291-2919,303-3039
  SELECT DX2
    WHEN 0122,2639,2699,2708,2770,2800,2899,2910,2911,
         2957,2959,2970,2980,3004,3017,3018,3031-3039,
         3041,3042,3045-3047,3093,3000,3451,3479,
         3559,410-4109,412-4129,4273,4299,430-4389,
         4650,4821,485-4860,4910,5170,5190,5192,5319,
```

```
          5370,5710,5718,5719,5739,5770,5771,5900,6929,
          7123,7124,7339,780-7800,7902,8124,9180,
          9290,9979                                                    =94
       TITLE  94 '19X2'
              'ALCOHOLISM W LIVER CIRRHOSIS,DELIRIUM TREMENS OR OTH MAJOR DX2'
       OWISE                                                           =93
       TITLE  93 '19X1'
              'ALCOHOLISM WO DX2 OR W MINOR DX2'

/* OTHER MENTAL DISORDERS = 20

WHEN 290-2901,292-2949,304-3159
  SELECT DX1
     WHEN 290-2949,3064,3065,309-3099                                  =96
     TITLE  96 '20D2'
              'PSYCHOSIS,NONPSYCHOSIS RELATED BRAIN CONDITION'
     OWISE                                                             =95
     TITLE  95 '20D1'
              'DRUG DEPENDENCE,PHYS DIS PRESUM PSYCHOGENIC ORIGIN,CEPHALAGIA'

/* DISEASES OF CENTRAL NERVOUS SYSTEM = 21

WHEN 320-3499
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 320-3209,322-3230,
                3300,3303,3309-3310,3320,340,3400,
                342-3420,344-3443,3471,349-3499                        =99
           TITLE  99 '21NSD2'
                     'MULTIPL SCLEROSIS,PARALYSIS AGITANS,MENINGITIS,
HEMIPLEGIA WO OPER'
           OWISE
              SELECT DX2
                 WHEN 0000,'    '                                      =97
                 TITLE  97 '21NSD1ND'
                           'EPILEPSY,MIGRAINE,BRAIN DIS(UNSPEC)
WO OPER WO DX2'
                 OWISE                                                 =98
                 TITLE  98 '21NSD1YD'
                           'EPILEPSY,MIGRAINE,BRAIN DIS(UNSPEC)
WO OPER W DX2'
     WHEN A10,A13-A20,A29,A43,A47-A48,010,013,015-016,022,
          030-031,035,040,046,145,197,205,320,382,474-475,
          552,575,581-582,689,825,860,864,871,874,921,933,993          =101
     TITLE  101 '21YSP2'
              'DIS OF CENTRAL NERVOUS SYST W MAJOR OPER'
     OWISE                                                             =100
     TITLE  100 '21YSP1'
              'DIS OF CENTRAL NERVOUS SYST W MINOR OPER'

/* DISEASES OF PERIPHERAL NERVOUS SYSTEM = 22

WHEN 350-3580,3589
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 350-3500,351-3510,355-3559,
                356-3560,357-3573,
                3579                                                   =102
           TITLE  102 '22NSD1'
                      'FACIAL PARALYSIS,NEURALGIA (TRIGEMINAL,OTH UNSPEC)
WO OPER'
           OWISE                                                       =103
           TITLE  103 '22NSD2'
                      'SCIATICA, POLYNEURITIS WO OPER'
     OWISE
        SELECT DX1
           WHEN 356,3560,357,3572,3589                                 =104
           TITLE  104 '22YSD1'
                      'DIS OF MEDIAN NERVE W OPER'
           OWISE
```

```
            SELECT OPER1
               WHEN A11,A44,010,040,042-046,
                    048,052,059,117,173,180,
                    242,329,334,670,843,850,
                    869,880-881,885,894,921,943                    =105
               TITLE  105 '22YSD2P1'
                          'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MINOR OPER'
               OWISE                                               =106
               TITLE  106 '22YSD2P2'
                          'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MAJOR OPER'

/* DISEASES OF EYE = 23

WHEN 360-3789
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 362,3620,3630,3639,364,3640,365,3650,
                366,3660,367,3670,369,3690,3739,3750,
                3751,376,3760,3770-3771,3775,3781,
                3786-3787,3789                                     =108
           TITLE  108 '23NSD2'
                      'GLAUCOMA,KERATITIS(ULCERATN),
DIS(UVEA,OPTIC NERVE,RETINA) WO OPER'
           OWISE                                                   =107
           TITLE  107 '23NSD1'
                      'STRABISMUS,CATARACT,CHALAZION WO OPER'
     WHEN A19,A27,A49,061,063-065,069,071-074,
          076-077,082-084,086,089,091,093-094,10,
          103-106,108-112,115,119,125,127,129,139-140,143,
          147,176-177,199,391,395,685,716,808,883,885,
          921,930,942-943                                          =109
     TITLE  109 '23YSP1'
                'DIS OF EYE W MYMECTMY,BLEPHARORRHAPHY,OTH MINOR OPER'
     WHEN A12,A26,C45,060,062,070,085,090,101,116-117,121,
          123,126,131-132,134,141-142,144-145,149,170,
          190,704,860,925,971,994                                  =110
     TITLE  110 '23YSP2'
                'DIS OF EYE W EXTRACTN LENS,SCLEROTMY,SCLERECTMY'
     OWISE                                                         =111
     TITLE  111 '23YSP3'
                'DIS OF EYE W REATTACHMENT OF RETINA,KERATOPLASTY'

/* DISEASES OF EAR AND MASTOID PROCESS = 24

WHEN 380-3879
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 380,3800,3820,3830,384,3840,3849,385,
                3850,3879                                          =113
           TITLE  113 '24NSD2'
                      'LABYRINTHITIS,MENIERE''S DIS WO OPER'
           OWISE                                                   =112
           TITLE  112 '24NSD1'
                      'OTITIS MEDIA,CHRONIC MASTOIDITIS,OTOSCLEROSIS WO OPER'
     WHEN 165,17,170,175,178,195,204,212,213,219,749,921,940       =114
     TITLE  114 '24YSP1'
                'DIS OF EAR W MYRINGOTMY,ADENOIDECTMY OR OTH MINOR OPER'
     WHEN A13,A27,A43,A45-A46,010,093,114,12,121,123,144,160-163,
          172-173,180,390,435,653,923,941                          =116
     TITLE  116 '24YSP3'
                'DIS OF EAR W MASTOIDECTMY, EXCISN MIDDLE EAR,
OTH MAJOR OPER'
     OWISE                                                         =115
     TITLE  115 '24YSP2'
                'DIS OF EAR W STAPECTMY,TYMPANOPLASTY'

/* HYPERTENSIVE HEART DISEASES = 25

WHEN 400-4040
  SELECT OPER1
```

```
      WHEN 000,'    '
         SELECT DX2
            WHEN Y039,0389,218-238L,2409,2419,2440,
                 2500-2509,2510,2521,2550,2552,2569,
                 2589,2720,2740,277,2790,2800,2824,
                 2825,2859,2962,3004,3420-350,
                 3774-3776,4003-4389,4401-4589,
                 4650,4660,4860,4900,4910,4930,514,
                 5140,5170,5192,5319,5329,5511,5513,
                 5621,5631,582-5990,7125-7598,
                 7802-7920,8479,9701,9735,9779
               SELECT DX1
                  WHEN 401,4010                                          =118
                  TITLE  118 '25NSX2D1'
                             'ESSENTIAL BEN HYPERTENSION WO OPER W MAJOR DX2'
                  OWISE                                                  =119
                  TITLE  119 '25NSX2D2'
                             'MALIG HYPERTENSN,HYPERTENSIVE DIS(HT RENAL)
WO OPER W MAJOR DX2'
            OWISE                                                        =117
            TITLE  117 '25NSX1'
                       'HYPERTENSIVE HEART DIS WO OPER WO DX2 OR MINOR DX2'
      OWISE                                                              =120
      TITLE  120 '25YS'
                 'HYPERTENSIVE HEART DIS W OPER'

/* ACUTE MYOCARDIAL INFARCTION = 26

WHEN 410-41C9                                                            =121
TITLE  121 '26'
           'ACUTE MYOCARDIAL INFARCTION'

/* ISCHEMIC HEART DISEASES EXCEPT AMI = 27

WHEN 411-4149
  SELECT OPER1
      WHEN 000,'    '
         SELECT DX2
            WHEN 0000,'    '                                            =122
            TITLE  122 '27NSND'
                       'ISCHEMIC HEART DIS EXCEPT AMI WO OPER WO DX2'
            WHEN 0092,0799,1621,1740,2001,2090,244,
                 2459,2500,2506,2531,2559,2699,2800,2810,
                 3099,3159,3420,3759,403-4420,
                 450-4519,4570,4850,4910,514,5140,
                 5310,5610,5718,5830,5950,5990,6231,
                 6900,7062,7259,7463,7531,7824,7826,
                 7840,7851,7853,7895,7902,7960,8460,
                 9200,9220,9580,9642,9659,9731,
                 9734,9985                                               =124
            TITLE  124 '27NSYDX2'
                       'ISCHEMIC HEART DIS EXCEPT AMI WO OPER W MAJOR DX2'
            OWISE                                                        =123
            TITLE  123 '27NSYDX1'
                       'ISCHEMIC HEART DIS EXCEPT AMI WO OPER W MINOR DX2'
      WHEN 302,303                                                       =125
      TITLE  125 '27YSP1'
                 'ISCHEMIC HEART DIS EXCEPT AMI W CARDIAC CATHETERIZATION'
      WHEN 022,051,145,189,205,206,242,247,265,273,275,
           282,285,292,294,295,298,307,309,321,359,391,
           435,464,466,472,475,513,560,582,590,653,756,
           806,825,857,858,933                                           =127
      TITLE  127 '27YSP3'
                 'ISCHEMIC HEART DIS EXCEPT AMI W SHUNT OPER,OTH MAJOR OPER'
      OWISE                                                              =126
      TITLE  126 '27YSP2'
                 'ISCHEMIC HEART DIS EXCEPT AMI W ENDOSCPY
INSERTN OF ELECTR DEVICE'

/* ARRYTHMIA AND SLOWED CONDUCTION = 28

WHEN 3581,4272-4279
```

```
   SELECT OPER1
      WHEN 000,'   '
         SELECT DX2
            WHEN 731,2050,2419,2440,2500,2521,2740,
                 2759,2800,2859,2900,2953,3000,3001,
                 3004,3015,3039,3420,3699,3940,3959,
                 3980,4030-4500,
                 4660,4710,486,4860,490,491,4910,
                 5140,5192,5199,5270,5339,535,5350,
                 5500,5513,5621,5749,5820,5932,5990,
                 7123,7359,7462-7531,7824,7862,
                 9730,9731,9975                                    =129
            TITLE  129 '28NSX2'
                       'ARRYTHMIA & SLOWED CONDUCTN WO OPER W MAJOR DX2'
            OWISE                                                  =128
            TITLE  128 '28NSX1'
                       'ARRYTHMIA & SLOWED CONDUCTN WO OPER
WO DX2 OR W MINOR DX2'
      WHEN A18,041,201,30,302,303,305,308,321,357,582,685,889,
           921,925                                                 =130
      TITLE  130 '28YSP1'
                 'ARRYTHMIA & SLOWED CONDUCTN W REPLACE HT DEVICE,
HT CATHETRIZATN'
      OWISE                                                        =131
      TITLE  131 '28YSP2'
                 'ARRYTHMIA & SLOWED CONDUCTN W INSERTN OF ELECTRIC HT DEVICE'

/* HEART FAILURE = 29


WHEN 4270-4271,7824
   SELECT OPER1
      WHEN 000,'   '                                             =132
      TITLE  132 '29NS'
                 'HEART FAILURE WO OPER'
      OWISE                                                      =133
      TITLE  133 '29YS'
                 'HEART FAILURE W OPER'

/* CARDITIS,VALVULAR AND OTHER DISEASES = 30


WHEN 390-3980,420-4260,428-4299
   SELECT OPER1
      WHEN 000,'   '
         SELECT DX2
            WHEN Y105,0092,0122,0389,0799,136,1740,1970,
                 2509,2520,277,2859,3032,3069,3099,3159,
                 3919,3940-4389,4400,4419,450,4500,
                 4519,4650,4810,486,4860,4910,4920,5070,
                 5112,514,5140,5170,5191,5192,5319,535,
                 5719,5769,5932,7149,7250,7251,7463,
                 7464,7466,7467,7802,7824,7825,7826,
                 7853,7880,7886,8212,9730,9731,9971,
                 9975                                            =135
            TITLE  135 '30NSX2'
                       'CARDITIS,VALVULAR HEART DIS WO OPER W MAJOR DX2'
            OWISE                                                  =134
            TITLE  134 '30NSX1'
                       'CARDITIS,VALVULAR HEART DIS WO OPER WO DX2 OR
W MINOR DX2'
      WHEN A29,A43,A45,051,242,250,284,285,287,295,302,303,308,
           394,571,574,682,685,703,705,833,862,921,925,994
         SELECT DX2
            WHEN Y105,0092,0122,0389,0799,136,1740,1970,2509,
                 2520,277,2859,3032,3069,3099,3159,3919,
                 3940-4389,4400,4419,450,4500,4519,4650,
                 4810,486,4860,4910,4920,5070,5112,514,5140,
                 5170,5191,5192,5319,535,5719,5769,5932,
                 7149,7250,7251,7463,7464,7467,7802,
                 7824,7825,7826,7853,7880,7886,8212,9730,
                 9731,9971,9975                                  =137
            TITLE  137 '30YSP1X2'
                       'CARDITIS,VALVULAR HEART DIS W HT CATHETRIZATN
W MAJOR DX2'
```

```
          OWISE                                                    =136
          TITLE  136 '30YSP1X1'
                     'CARDITIS,VALVULAR HEART DIS W HT CATHETRIZATN
WO DX2 OR MINOR DX2'
     OWISE                                                         =138
     TITLE  138 '30YSP2'
                'CARDITIS,VALVULAR HEART DIS W HT VALVE OPER OTH MAJOR OPER'

/* CEREBROVASCULAR DISEASES = 31

WHEN 430-4389
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 435-4359,4389
              SELECT DX2
                 WHEN 0389,0539,0929,1977,1985,2041,
                      2313,2399,2440,2500,2509,2551,
                      2638,280,2800,2819,2859,2860,
                      2899,2900,2930,2931,2962,2969,
                      3004,3093,3096,3099,322,342,
                      3441,3442,3449,3452,3454,346,
                      3471,3500,3580,3759,3940-4389,
                      4400-4409,4412,442,4439,4444,4459,
                      4464,4500-4519,4530,4589,4650,
                      4700-4710,4823,485-4860,4910,
                      5039,5080,5191,5272,5513,5621,
                      5639,5699,5730,5749,5932,5950,
                      5969,5990,6010,6030,6230,6267,
                      7103,7130,721,7239,7341,7800,
                      7815,7817,7840,7841,7844,7861,7880,
                      7886,7901,7902,8010,8202,8540,
                      8819,8830,9440,9800                          =140
                 TITLE  140 '31NSD1X2'
                            'TRANSIENT CEREBRAL ISCHEMIA WO OPER W MAJOR DX2'
                 OWISE                                             =139
                 TITLE  139 '31NSD1X1'
                            'TRANSIENT CEREBRAL ISCHEMIA WO OPER WO DX2
OR W MINOR DX2'
           WHEN 4329,4340-4349,437-4379,4380
              SELECT DX2
                 WHEN 0389,0539,0929,1977,1985,2041,2313,
                      2399,2440,2500,2509,2551,2638,
                      280,2800,2819,2859,2860,2899,2900,
                      2930,2931,2962,2969,3004,3093,3096,
                      3099,322,342,3441,3442,3449,3452,
                      3454,346,3471,3500,3580,3759,3940-4389,
                      4400-4409,4412,442,4439,4444,4459,
                      4464,4500-4519,4530,4589-4650,
                      4700-4710,4823,485-4860,4910,5039,
                      5080,5191,5272,5513,5621,5639,
                      5699,5730,5749,5932,5950,5969,
                      5990,6010,6030,6230,6267,7103,
                      7130,721,7239,7341,7800,7815,
                      7817,7840,7841,7844,7861,7880,7886,
                      7901,7902,8010,8202,8540,8819,8830,
                      9440,9800                                    =142
                 TITLE  142 '31NSD2X2'
                            'CEREBRAL THROMBO-EMBOLISM WO OPER W MAJOR DX2'
                 OWISE                                             =141
                 TITLE  141 '31NSD2X1'
                            'CEREBRAL THROMBO-EMBOLISM WO OPER WO DX2
OR W MINOR DX2'
           OWISE
              SELECT DX2
                 WHEN 0389,0539,0929,1977,1985,2041,
                      2313,2399,2440,2500,2509,2551,2638,
                      280,2800,2819,2859,2860,2899,2900,
                      2930,2931,2962,2969,3004,3093,
                      3096,3099,322,342,3441,3442,3449,
                      3452,3454,346,3471,3500,3580,3759,
                      3940-4389,4400-4409,4412,442,4439,4444,
                      4459,4464,4500-4519,4530,4589-4650,
                      4700-4710,4823,485-4860,4910,5039,
```

```
                    5080,5191,5272,5513,5621,5639,5699,
                    5730,5749,5932,5950,5969,5990,
                    6010,6030,6230,6267,7103,7130,721,
                    7239,7341,7800,7815,7817,7840,7841,
                    7844,7861,7880,7886,7901,7902,8010,8202,
                    8540,8819,8830,9440,9800                    =144
                TITLE  144 '31NSD3X2'
                           'HEMORRHAGE(CEREBRAL,SUBARACHNOID)
WO OPER W MAJOR DX2'
                OWISE                                           =143
                TITLE  143 '31NSD3X1'
                           'HEMORRHAGE(CEREBRAL,SUBARACHNOID)
WO OPER WO DX2 OR W MINOR DX2'
     OWISE                                                      =145
     TITLE  145 '31YS'
                'CEREBROVASCULAR DISEASES W OPER'

/*

/* DISEASES OF VASCULAR SYSTEM = 32

WHEN 2891-2893,440-4431,4438-4480,452-4549,456-4589
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 4402,4409,4410,4412,4419,442,4420,4431,
                4439,4440,4441,4443,4450-4470,452,453,
                4530,4540,4541,4560,4589
              SELECT DX2
                 WHEN 0389,1730,180,2111,2307,2409,2422,
                      250-2509,2521,2699,2740,2759,
                      277,2800,2859,2869,2900,2962,
                      3098,3441,3442,3479,3579,366,
                      3759,3771,3776,3793,393,401-4389,
                      4400,4401,4402,4411,4412,4439,4444,
                      450-4519,4530,4540-4549,4660,
                      492,513,5192,5513,5699,5718,
                      5741,5749,582,5932,5970,5990,
                      6824-6829,6929,6952,6954,7071,
                      7080,7150,7210,7239,7589,7835,
                      7861,7886,7889,9623                       =148
                TITLE  148 '32NSD2X2'.
                           'ARTERIOSCLEROSIS,THROMBO-EMBO(ARTERY)
WO OPER W MAJOR DX2'
                OWISE                                           =147
                TITLE  147 '32NSD2X1'
                           'ARTERIOSCLEROSIS,THROMBO-EMBO(ARTERY)
WO OPER WO DX2 OR W MINOR DX2'
           OWISE                                                =146
           TITLE  146 '32NSD1'
                      'LYMPHADENITIS,UNSPEC VARICOSE(LOWER EXT),
RAYNAUDS SYND WO OPER'
     OWISE
        SELECT OPER1
           WHEN A14,A22,A27,A53,174,195,196,244,250-252,260,
                303,321,329,382,395,411,568,592,593,599,612,671,
                673,682,685,689,702,714,806,850,851,861,882,920,
                930-932,951,955,962
              SELECT AGE
                 WHEN 0-50                                      =149
                 TITLE  149 '32YSP1A1'
                            'DIS OF VASCULAR SYST W EXCISN VARICOSE,
OTH MINOR OPER OF AGE<51'
                 OWISE                                          =150
                 TITLE  150 '32YSP1A2'
                            'DIS OF VASCULAR SYST W EXCISN VARICOSE,
OTH MINOR OPER OF AGE>50'
           WHEN A25,A42,A49,A59,010,013,024,241,247,263-265,
                268,270,273,275,277,280,284,285,294,298,320,
                322,342,343,381,394,434,435,462,468,501,
                544,545,582,852,856-858,871,922,929,933         =153
           TITLE  153 '32YSP3'
                      'DIS OF VASCULAR SYST W RECONSTRUCTN ARTERY,
```

```
AMPUTATN EXTREMITY'
          OWISE
             SELECT DX2
                WHEN 000,'   '                                          =151
                TITLE  151 '32YSP2ND'
                           'DIS OF VASCULAR SYST W SYMPATHECTMY,
EXCISN VESSEL WO DX2'
                OWISE                                                   =152
                TITLE  152 '32YSP2YD'
                           'DIS OF VASCULAR SYST W SYMPATHECTMY,
EXCISN VESSEL W DX2'

/* PULMONARY EMBOLISM = 33

WHEN 450-4500
  SELECT DX2
     WHEN C399,L350,2313,2500-2509,2790,2800,2859,
          402-4389,4510-4519,453-4660,4800-4860,
          4920,493-4930,5191,5192,5329,5699,575,
          592,5932,5950,5990,5999,6266,7130,
          7131,721C,7802,7805,7825,7910,8100,8240                       =155
     TITLE  155 '33X2'
                'PULMONARY EMBOLISM W MAJOR DX2'
     OWISE                                                              =154
     TITLE  154 '33X1'
                'PULMONARY EMBOLISM WO DX2 OR MINOR DX2'

/* PHLEBITIS AND THROMBOPHLEBITIS = 34

WHEN 451-4519
   SELECT DX2
     WHEN Y039,Y105,C092,0388,0971,1120,1538-2022,
          2080,2114,213,2180,2201,2376-2399,2500-2509,
          2720,2740,2790,2800,2859,3441,3530,
          401-4389,4400,4439,4444,450,4500,
          4519,4530,454-4549,457,4539,4600,
          4810-5199,5320,5350,5621,5631,5640,
          5641,5719,5740,5741,5749,5769,5820,5950,
          5970,5990,5999,6000,6160,6262,6824,
          6929,6960,7059,7062,7071,7100,7123,7130,
          7131,7179,7287,7316,7317,7826,7893,
          8230,8240,8450,9600,9976,9985,9989                            =157
     TITLE  157 '34X2'
                'PHLEBITIS & THROMBOPHLEBITIS W MAJOR DX2'
     OWISE                                                              =156
     TITLE  156 '34X1'
                'PHLEBITIS & THROMBOPHLEBITIS WO DX2 OR W MINOR DX2'

/* HEMORRHOIDS = 35

WHEN 455-4550                                                           =158
TITLE  158 '35'
           'HEMORRHOIDS'

/* HYPERTROPHY OF TONSIL AND ADENOID = 36

WHEN 500-5000                                                           =159
TITLE  159 '36'
           'HYPERTROPHY OF TONSIL & ADENOID'

/* ACUTE URI AND INFLUENZA = 37

WHEN 460-4650,470-4740
  SELECT AGE
     WHEN 0-44                                                          =160
     TITLE  160 '37A1'
                'ACUTE URI & INFLUENZA OF AGE<45'
     OWISE                                                              =161
     TITLE  161 '37A2'
                'ACUTE URI & INFLUENZA OF AGE>44'
```

```
/* OTHER DISEASES OF UPPER RESPIRATORY TRACT = 38

WHEN 501-5089
  SELECT OPER1
     WHEN 000,'    '                                                =162
     TITLE  162 '38NS'
                'DIS OF UPPER RESP TRACT EXCEPT ACUTE URI & INFLUENZA WO OPER'
     WHEN A13,A14,A16,A19,A42,020,051,093,130,190,
          191,194,199,201,204,209,211,212,213,219,571,
          800,936,962,994                                           =163
     TITLE  163 '38YSP1'
                'DIS OF UPPER RESP TRACT W BIPSY,ENDOSCPY,SECTN NASAL SEPTUM'
     OWISE                                                          =164
     TITLE  164 '38YSP2'
                'DIS OF UPPER RESP TRACT W RHINOPLASTY,
SINUSOTOMY,PLASTIC OPER NOSE'

/* PNEUMONIA = 39

WHEN 480-4860
  SELECT OPER1
     WHEN 000,'    '
        SELECT AGE
           WHEN 0-30                                                =165
           TITLE  165 '39NSA1'
                      'PNEUMONIA OF AGE<31'
           OWISE
              SELECT DX2
                 WHEN 0000,'    '                                   =166
                 TITLE  166 '39NSA2ND'
                            'PNEUMONIA OF AGE>30 WO DX2 WO OPER'
                 OWISE                                              =167
                 TITLE  167 '39NSA2YD'
                            'PNEUMONIA OF AGE>30 W DX2 WO OPER'
     OWISE                                                          =168
     TITLE  168 '39YS'
                'PNEUMONIA W OPER'

/* BRONCHITIS = 40

WHEN 466-4660,490-4910
  SELECT AGE
     WHEN 0-45                                                      =169
     TITLE  169 '40A1'
                'BRONCHITIS OF AGE<46'
     OWISE
        SELECT DX2
           WHEN Y106,0190,0399,1179,1621,1989,2409,
                2420,2440,2501,2770,2810,2812,2859,
                2894,3004,3400,3420,3441,3600,3819,
                3949,4100-4379,4400,4500,4550,4580,
                4589,4619,4620,4650,4660,472-4900,
                492,4920,4930,5021,5030,5083,
                5140,5170,5191,5192,5210,5292,
                5329,5339,5350,5513,5621,5692,
                5699,5710,5739,5750,5771,6000,
                6820,7100,7123,7130,7131,7229,
                7802,7803,7821,7830,7832,7862,
                7886,7895,7901,7910,7960,8070,
                8509,9679,9731,9989                                 =171
           TITLE  171 '40A2X2'
                      'BRONCHITIS OF AGE>45 W MAJOR DX2'
           OWISE                                                    =170
           TITLE  170 '40A2X1'
                      'BRONCHITIS OF AGE>45 WO DX2 OR W MINOR DX2'

/* ASTHMA = 41

WHEN 493-4930
  SELECT AGE
```

```
      WHEN C-30                                                          =172
      TITLE  172 '41A1'
                 'ASTHMA OF AGE<31'
      OWISE
         SELECT DX2
            WHEN 0000,'    '                                            =173
            TITLE  173 '41A2ND'
                       'ASTHMA OF AGE>30 WO DX2'
            OWISE                                                       =174
            TITLE  174 '41A2YD'
                       'ASTHMA OF AGE>30 W DX2'

/* OTHER LUNG AND PLEURAL DISEASES = 42

WHEN 492-4920,510-5199
   SELECT OPER1
      WHEN 000,'    '
         SELECT DX1
            WHEN 5110,512,5120,514,5140,5159,5160,5199                   =175
            TITLE  175 '42NSD1'
                       'PNEUMOTHORAX,PLEURISY,PUL CONGESTN WO OPER'
            OWISE
               SELECT DX2
                  WHEN 0113,0190,0389,1541,1621,1850,1989,1991,
                       208,2381,244,2510,2690,277,2770,2819,
                       2859,2890,3032,3040,3099,3441,3452,
                       3559,3959-4389,4439,4459,4500,
                       4620,4650,4700,4720,481-4860,
                       4900,491-4930,5140,5152,5170,5180,
                       5192,5199,5302,5329,550,5630,5719,
                       5769,5910,5950,600,6822,7070,7123,
                       7124,7131,7150,7230,7319,7341,7801,
                       7824,7852,7841,7880,7882,791,7960,
                       8052,8070,9641,9600,9605,9731                     =177
                  TITLE  177 '42NSD2X2'
                             'EMPHYSEMA,EMPYEMA,ABSCESS,ACUTE EDEMA
WO OPER W MAJOR DX2'
                  OWISE                                                 =176
                  TITLE  176 '42NSD2X1'
                             'EMPHYSEMA,EMPYEMA,ABSCESS,ACUTE EDEMA
WO OPER WO DX2 W MINOR DX2'
      WHEN A16,A18,A19,A23,A42,A43,A45,A47,040,074,161,208,209,212,
           251,302,304,308,320,321,345,394,581,652,804,816,861,925,942
         SELECT DX2
            WHEN 0000,'    '                                            =178
            TITLE  178 '42YSP1ND'
                       'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACOTMY,
OTH MIN OPER WO DX2'
            OWISE                                                       =179
            TITLE  179 '42YSP1YD'
                       'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACOTMY,
OTH MINOR OPER W DX2'
      OWISE                                                             =180
      TITLE  180 '42YSP2'
                 'DIS OF LUNG & PLEURA W LOBECTOMY,OTH MAJOR OPER'

/* DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS = 43

WHEN 520-5299
   SELECT DX1
      WHEN 520-5215                                                     =181
      TITLE  181 '43D1'
                 'MINOR PROBLEMS OF TEETH'
      OWISE                                                             =182
      TITLE  182 '43D2'
                 'MAJOR PROBLEMS OF TEETH,DIS(JAW,SALIVARY GLAND,
OTH ORAL SOFT TISS)

/* GASTRIC AND PEPTIC ULCER = 44

WHEN 531-5349
   SELECT OPER1
```

```
      WHEN 000,'    '
         SELECT DX2
            WHEN 0000,'    '                                              =183
            TITLE  183 '44NSND'
                       'GASTRIC & PEPTIC ULCER WO OPER WO DX2'
            OWISE                                                         =184
            TITLE  184 '44NSYD'
                       'GASTRIC & PEPTIC ULCER WO OPER W DX2'
      WHEN 045,051,C72,273,391,393,451,460,462-467,
           474,479-480,502,546,582,619,756,871,468
         SELECT DX2
            WHEN 0000,'    '                                              =186
            TITLE  186 '44YSP2ND'
                       'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,
OTH MAJOR CPER WO CX2'
            OWISE                                                         =187
            TITLE  187 '44YSP2YD'
                       'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,
OTH MAJOR CPER W DX2'
      OWISE                                                               =185
      TITLE  185 '44YSP1'
                 'GASTRIC & PEPTIC ULCER W BIPSY,ENDSCPY,ENTRORRHAPHY,
OTH MINOR OPER'

/* UPPER GI DISEASES EXCEPT GASTRIC AND PEPTIC ULCER = 45

WHEN 530-5309,535-5379
  SELECT OPER1
      WHEN 000,'    '
         SELECT DX2
            WHEN 0000,'    '                                              =188
            TITLE  188 '45NSND'
                       'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER WO DX2'
            OWISE                                                         =189
            TITLE  189 '45NSYD'
                       'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER W DX2'
      WHEN A18,A27,A42,A44,A45,A49,216,302,354,357,
           382,461,703,816,881,920,921,993
         SELECT DX2
            WHEN 0000,'    '                                              =190
            TITLE  190 '45YSP1ND'
                       'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,
OTH MINOR CPER WO CX2'
            OWISE                                                         =191
            TITLE  191 '45YSP1YD'
                       'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,
OTH MINOR CPER W DX2'
      OWISE                                                               =192
            TITLE  192 '45YSP2'
                       'UPPER G-I DIS EXCEPT PEPTIC ULCER W MAJOR OPER'

/* APPENDICITIS = 46

WHEN 540-5430
  SELECT DX1
      WHEN 540-5400
         SELECT DX2
            WHEN 0000,'    '                                              =195
            TITLE  195 '46D2ND'
                       'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) WO DX2'
            OWISE                                                         =196
            TITLE  196 '46D2YD'
                       'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) W DX2'
      OWISE
         SELECT DX2
            WHEN 0000,'    '                                              =193
            TITLE  193 '46D1ND'
                       'APPENDICITIS(WITHOUT PERITONITIS) WO DX2'
            OWISE                                                         =194
            TITLE  194 '46D1YD'
                       'APPENDICITIS(WITHOUT PERITONITIS) W DX2'

/* HERNIA OF ABDOMINAL CAVITY = 47
```

```
WHEN 550-5539
  SELECT AGE
     WHEN 0-14                                                    =197
     TITLE  197 '47A1'
                'ABD HERNIA OF AGE<15'
     WHEN 15-64
        SELECT DX1
           WHEN 550,5500,5511
              SELECT DX2
                 WHEN 0000,'    '                                 =198
                 TITLE  198 '47A2D1ND'
                            'INGUINAL HERNIA (WO OBSTRUCTN) OF 14<AGE<65 WO DX2'
                 OWISE                                            =199
                 TITLE  199 '47A2D1YD'
                            'INGUINAL HERNIA (WO OBSTRUCTN) OF 14<AGE<65 W DX2'
           OWISE
              SELECT OPER1
                 WHEN 000,'   '                                   =200
                 TITLE  200 '47A2D2NS'
                            'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65
WO OPER'
                 WHEN A18,A43,A44,A49,357,382,
                      383,384,387,388,395,397,399,
                      591,685                                     =201
                 TITLE  201 '47A2D2YSP1'
                            'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65
W MINOR REPAIR OPER'
                 OWISE                                           =202
                 TITLE  202 '47A2D2YSP2'
                            'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65
W MAJOR REPAIR OPER'
     OWISE
        SELECT OPER1
           WHEN 000,'   '                                        =203
           TITLE  203 '47A3NS'
                      'ABD HERNIA OF AGE>64 WO OPER'
           WHEN A16,A22,A43,A44,A45,357,382,383,384,385,
                387,390,395,397,402,472,513,713                   =204
           TITLE  204 '47A3YSP1'
                      'ABD HERNIA OF AGE>64 W MINOR REPAIR OPER'
           OWISE                                                  =205
           TITLE  205 '47A3YSP2'
                      'ABD HERNIA OF AGE>64 W MAJOR REPAIR OPER'

/* ENTRITIS,DIVERTICULA,AND FUNCTIONAL DISORDER OF INTESTINE = 48


WHEN 561-5649
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 5621,5630-5631,5639                               =207
           TITLE  207 '48NSD2'
                      'INTESTIN DIVERTICULA,REGIONAL ENTERITIS,
ULCERATIVE COLITIS WO OPER'
           OWISE                                                  =206
           TITLE  206 '48NSD1'
                      'FUNCTNAL DISORDER INTESTINE WO OPER'
     WHEN A26,A27,A29,269,390-391,393,397,403,462,465,
          470-472,474-476,478,481-482,502-504,540,563,
          575,582,652,718,921,924,993-994                         =210
     TITLE  210 '48YSP2'
                'INTESTIN(DIVERTICULA,FUNCTNL DISORDER)
W RESECTN,OTH MAJOR OPER'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                      =208
           TITLE  208 '48YSP1ND'
                      'INTESTIN(DIVERTICULA,FUNCTNL DISORDER)
W MINOR OPER WO DX2'
           OWISE                                                  =209
           TITLE  209 '48YSP1YD'
                      'INTESTIN(DIVERTICULA,FUNCTNL DISORDER)
```

```
W MINOR OPER W DX2'
/* DISEASES OF ANUS = 49

WHEN 565-5660,685-6850
  SELECT DX2
     WHEN C000,'    '                                              =211
     TITLE  211 '49ND'
                'DIS OF ANUS WO DX2'
     OWISE                                                         =212
     TITLE  212 '49YD'
                'DIS OF ANUS W DX2'

/* MISCELLANEOUS DISEASES OF INTESTINE AND PERITONEUM = 50

WHEN 560-5609,567-5699
  SELECT OPER1
     WHEN 000,'   '
        SELECT AGE
           WHEN 0-55                                               =213
           TITLE  213 '50NSA1'
                      'MISC DIS OF INTESTN & PERITONEUM OF AGE<56 WO OPER'
           OWISE
              SELECT DX2
                 WHEN 0000,'    '                                 =214
                 TITLE  214 '50NSA2ND'
                            'MISC DIS OF INTESTN & PERITONEUM OF AGE>55
WO OPER WO DX2'
                 OWISE                                           =215
                 TITLE  215 '50NSA2YD'
                            'MISC DIS OF INTESTN & PERITONEUM OF AGE>55
WO OPER W DX2'
     WHEN A53,240,246,247,465,501,502,508,510,512,513,514,
          516,518,599,671,689,703,712,748,889,925,994              =216
     TITLE  216 '50YSP1'
                'MISC DIS OF INTESTN & PERITONEUM W LOCAL INCISN,EXCISN'
     WHEN A20,A27,A28,277,382,389,391,393,403,411,430,434,
          435,460,461,462,463,470,471,474,475,476,477,478,
          479,482,483,484,503,505,560,569,575,582,612,864,
          920,921
        SELECT DX2
           WHEN 0000,'    '                                      =219
           TITLE  219 '50YSP3ND'
                      'MISC DIS OF INTESTN & PERITONEUM W MAJOR OPER WO DX2'
           OWISE                                                 =220
           TITLE  220 '50YSP3YD'
                      'MISC DIS OF INTESTN & PERITONEUM W MAJOR OPER W DX2'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                      =217
           TITLE  217 '50YSP2ND'
                      'MISC DIS OF INTESTN & PERITONEUM
W ENDOSCOPY OF INTESTINE WO DX2'
           OWISE                                                 =218
           TITLE  218 '50YSP2YD'
                      'MISC DIS OF INTESTN & PERITONEUM
W ENDOSCOPY OF INTESTINE W DX2'
/* DISEASES OF LIVER = 51

WHEN 070-0700,9992,570-5739
  SELECT DX1
     WHEN 070,070C,9992,570,5700,5730
        SELECT AGE
           WHEN 0-40                                               =221
           TITLE  221 '51D1A1'
                      'HEPATITIS(INFECTIOUS SERUM),SUBACUTE NECROSIS OF LIVER
OF AGE<41'
           OWISE                                                   =222
           TITLE  222 '51D1A2'
                      'HEPATITIS(INFECTIOUS SERUM),SUBACUTE NECROSIS OF LIVER
OF AGE>40'
```

```
      OWISE
         SELECT DX2
            WHEN 0388,0389,070,174,1850,2500,2509,
                 2639,2652,2732,280,2800,2810,
                 2812,2819,2859,2895,299,3000,
                 3032,3093,3099,3959,4030,
                 4120-4129,4230,4290,4299,4369,
                 4370,4550,4560,4569,4650,466,
                 5170,5319,5350,5680,5692,5699,
                 5700-5730,5739,5749,575,5770,
                 584,5901,5990,6951,7526,7762,
                 7824,7852,7853,7880,7891,792,
                 7920,7931,8540,9995                                  =224
            TITLE  224 '51021X2'
                       'LIVER CIRRHOSIS W MAJOR DX2'
            OWISE                                                     =223
            TITLE  223 '5102X1'
                       'LIVER CIRRHOSIS WO DX2 OR W MINOR DX2'

/* DISEASES OF GALL BLADDER AND BILE DUCT = 52

WHEN 574-5769
  SELECT OPER1
     WHEN 000,'    '
        SELECT AGE
           WHEN 0-50                                                  =225
           TITLE  225 '52NSA1'
                      'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE<51'
           OWISE                                                      =226
           TITLE  226 '52NSA2'
                      'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE>50'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                          =227
           TITLE  227 '52YSND'
                      'DIS OF GALL BLADDER & BILE DUCT W OPER WO DX2'
           OWISE
              SELECT AGE
                 WHEN 0-64                                          =228
                 TITLE  228 '52YSYDA1'
                            'DIS OF GALL BLADDER & BILE DUCT W OPER
W DX2 OF AGE<65'
                 OWISE                                              =229
                 TITLE  229 '52YSYDA2'
                            'DIS OF GALL BLADDER & BILE DUCT W OPER
W DX2 OF AGE>64 '

/* DISEASES OF PANCREAS = 53

WHEN 577-5779
  SELECT OPER1
     WHEN 000,'    '                                                =230
     TITLE  230 '53NS'
                'DIS OF PANCREAS WO OPER'
     OWISE                                                          =231
     TITLE  231 '53YS'
                'DIS OF PANCREAS W OPER'

/* DISEASES OF KIDNEY AND URETER = 54

WHEN 580-591C,593-5935,792-7920
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN 0000,'    '                                          =232
           TITLE  232 '54NSND'
                      'DIS OF KIDNEY & BLADDER WO OPER WO DX2'
           OWISE
              SELECT DX1
                 WHEN 583,5830,584,5840,
                      5901,593,5930,5934,5935                       =233
                 TITLE  233 '54NSYDD1'
```

```
                              'NEPHRITIS(UNQUALIFIED)
,PYELONEPHRITIS(OTH) WO OPER W DX2'
                  CWISE
                     SELECT AGE
                        WHEN 0-64                                          =234
                        TITLE  234 '54NSYDD2A1'
                                   'NEPHROTIC SYND,NEPHRITIS(CHR)
,UREMIA WO OPER W DX2 OF AGE<65'
                                                                           =235
                        CWISE
                        TITLE  235 '54NSYDD2A2'
                                   'NEPHROTIC SYND, NEPHRITIS(CHR),
UREMIA WO OPER W DX2 OF AGE>64'
      WHEN A20,A21,A23,A25,A26,A44,A45,A46,A49,145,
           240,247,248,277,301,321,391,409,435,472,475,
           501,502,548,549,557,559,563,568,571,572,
           574,575,579,590,595,652,682,685,703,771,920,921,933
         SELECT DX1
            WHEN 583,5830,584,5840,5901,593,
                 5930,5934,5935                                            =236
            TITLE  236 '54YSP1D1'
                       'DIS OF URETER,NEPHROTIC SYND W CYSTSCPY,BIPSY,
OTH MINOR OPER'
            OWISE                                                                =237
            TITLE  237 '54YSP1D2'
                       'NEPHRITIS,NEPHROSIS,PYELITIS, W CYSTSCPY,BIPSY,
OTH MINOR OPER'
      OWISE                                                                =238
      TITLE  238 '54YSP2'
                 'DIS OF KIDNEY & URETER W NEPHRECTMY,KID TRANSPLANT,
OTH MAJOR OPER'

/* URINARY CALCULUS = 55

WHEN 55,592-5920,594-5940
  SELECT OPER1
      WHEN 000,'    '
         SELECT DX2
            WHEN 0000,'    '                                               =239
            TITLE  239 '55NSND'
                       'URINARY CALCULUS WO OPER WO DX2'
            OWISE                                                          =240
            TITLE  240 '55NSYD'
                       'URINARY CALCULUS WO OPER W DX2'
      WHEN A27,A44,513,540-541,543-546,549-550,556,
           558,560-563,566,570,582-583,685                                   =242
      TITLE  242 '55YSP2'
                 'URINARY CALCULUS W NEPHROTMY,CYSTOTMY,URETEROTMY,
OTH MAJOR OPER'
      OWISE                                                                =241
      TITLE  241 '55YSP1'
                 'URINARY CALCULUS W CYSTSCPY,CATHETER TO KIDNEY,
OTH MINOR OPER'

/* CYSTITIS AND OTHER URINARY DISEASES = 56

WHEN 595-5999
  SELECT OPER1
      WHEN 000,'    '
         SELECT DX2
            WHEN 0000,'    '                                               =243
            TITLE  243 '56NSND'
                       'CYSTITIS W OTH URINARY DIS WO OPER WO DX2'
            OWISE
               SELECT DX1
                  WHEN 595,5950,5962,597,
                       5970,5978,5980                                      =244
                  TITLE  244 '56NSYDD1'
                             'CYSTITIS,URETHRITIS,
STRICTURE URETHRA WO OPER W DX2'
                  CWISE
                     SELECT AGE
                        WHEN 0-45                                          =245
                        TITLE  245 '56NSYDD2A1'
```

```
                                    'BLADDER(FISTULA,DIVERTICULA,OTH DIS)
,WO OPER W DX2 OF AGE<46'
                        OWISE                                          =246
                        TITLE  246 '56NSYDD2A2'
                                    'BLADDER(FISTULA,DIVERTICULA,OTH DIS)
WO OPER W DX2 OF AGE>45'
     WHEN A23,A42,571,712,725,749,922                                  =247
     TITLE  247 '56YSP1'
                'DIS OF BLADDER & URETHRA W MEATOTOMY'
     WHEN A45,031,226,247,391,435,468,508,510,541,544,
          546,552,553,555,556,558,560,563,565,
          566,568,581,582,595,610,612,685,711,713                      =250
     TITLE  250 '56YSP3'
                'DIS OF BLADDER & URETHRA W CYSTECTMY,PROSTECTMY,OTH MAJOR OPER'
     OWISE
        SELECT AGE
           WHEN 0-14                                                   =248
           TITLE  248 '56YSP2A1'
                      'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,
DIL,REPAIR OF AGE<15'
           OWISE                                                       =249
           TITLE  249 '56YSP2A2'
                      'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,
DIL,REPAIR OF AGE>14'

/* DISEASES OF PROSTATE = 57

WHEN 600-6020
  SELECT OPER1
     WHEN 000,'    '                                                  =251
     TITLE  251 '57NS'
                'DIS OF PROSTATE WO OPER'
     WHEN A18,A21,A22,A46,557,561,570,571,572,574,
          575,580,594,612,994
        SELECT DX2
           WHEN 0000,'    '                                           =252
           TITLE  252 '57YSP1ND'
                      'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY WO DX2'
           OWISE                                                       =253
           TITLE  253 '57YSP1YD'
                      'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY W DX2'
     WHEN A26,A44,202,382,435,555,562,563,566,
          569,581,601,602,873                                          =256
     TITLE  256 '57YSP3'
                'DIS OF PROSTATE W SUPRAPUBIC PROSTECTOMY'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                           =254
           TITLE  254 '57YSP2ND'
                      'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY WO DX2'
           OWISE                                                       =255
           TITLE  255 '57YSP2YD'
                      'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY W DX2'

/* DISEASES OF MALE GENITAL ORGANS = 58

WHEN 603-6050,607-6079
  SELECT DX1
     WHEN 605,6050,6073                                               =257
     TITLE  257 '58D1'
                'REDUNDANT PREPUCE & PHIMOSIS'
     OWISE
        SELECT OPER1
           WHEN 000,'    '                                           =258
           TITLE  258 '58D2NS'
                      'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS WO OPER'
           OWISE
              SELECT AGE
                 WHEN 0-44                                           =259
                 TITLE  259 '58D2YSA1'
                            'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS
W OPER OF AGE<45'
                 OWISE                                               =260
```

```
                TITLE  260 '58D2YSA2'
                           'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS
W OPER OF AGE>44'
/* DISEASES OF FEMALE GENITAL ORGANS = 59

WHEN 612-6210,6212-6270,6290,6292,6294,6296-6299
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN 626-6269                                              =261
           TITLE  261 '59NSD1'
                      'DISORDER OF MENSTRUATION WO OPER'
           OWISE
              SELECT DX2
                 WHEN 0000,'    '                                     =262
                 TITLE  262 '59NSD2ND'
                            'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF
MENSTRUATION WO DX2'
                 OWISE                                               =263
                 TITLE  263 '59NSD2YD'
                            'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF
MENSTRUATION W DX2'
     WHEN A19,A24-A25,A29,A47,A53-A54,030,208,399,670,
          682,685-686,689,70,701-706,709-711,716,719-722,
          725,747,781,853,921
        SELECT DX2
           WHEN 0000,'    '                                         =264
           TITLE  264 '59YSP1ND'
                      'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,
SALPHINGECTMY WO DX2'
           OWISE                                                     =265
           TITLE  265 '59YSP1YD'
                      'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,
OTH MINOR OPER W DX2'
     OWISE                                                           =266
     TITLE  266 '59YSP2'
                'DIS OF FEMALE GEN ORG W HYSTERECTMY,REPAIR FEMALE GEN ORG,
MAJOR CP'
/* DISEASES OF BREAST = 60

WHEN 217-2170,610-6119
  SELECT DX2
     WHEN 0000,'    '
        SELECT DX1
           WHEN 217-2170,610-6100                                    =267
           TITLE  267 '60NDD1'
                      'BEN NEOPL,CHR CYSTIC DIS OF BREAST WO DX2'
           OWISE                                                     =268
           TITLE  268 '60NDD2'
                      'ACUTE MASTITIS, HYPERTROPHY OF BREAST WO DX2'
     OWISE
        SELECT AGE
           WHEN 0-55                                                 =269
           TITLE  269 '60YDA1'
                      'DIS OF BREAST W DX2 OF AGE <56'
           OWISE                                                     =270
           TITLE  270 '60YDA2'
                      'DIS OF BREAST W DX2 OF AGE>55'
/* ABORTION = 61

WHEN 640-6459
  SELECT DX2
     WHEN 0000,'    '                                               =271
     TITLE  271 '61ND'
                'ABORTION WO DX2'
     OWISE                                                           =272
     TITLE  272 '61YD'
                'ABORTION W DX2'
```

```
/* OBSTETRICAL DISEASES OF ANTEPARTUM AND PUERPARIUM = 62

WHEN 630-6344,6346-6399,670-6730,6739-6780
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN 6347                                                    =273
           TITLE  273 '62NSD1'
                      'FALSE LABOR WO OPER'
           WHEN 6319,6322,6330,6341,6350,
                6359,6360,6370,6371,6379,6389,
                670,6700,6710,6719,6730,6740,
                675,6750                                                =275
           TITLE  275 '62NSD3'
                      'TOXEMIA,HYPEREMESIS GRAVIDARUM,
THROMBOPHLEBITIS(PUERPERAL) WO OPER'
           OWISE                                                        =274
           TITLE  274 '62NSD2'
                      'THREATENED ABORTION,PLACENTA PREVIA,OTH HEMORR PREGNANCY
 WO OPER'
     WHEN A46,A53,657,685,689,703,704,705,719,720,
          740,747,748,749,750,754,759,781,783                           =276
     TITLE  276 '62YSP1'
                'OBST DIS OF ANTEPARTUM & POSTPARTUM W D&C,
REPAIR INT CERVICAL CS'
     OWISE                                                              =277
     TITLE  277 '62YSP2'
                'OBST DIS OF ANTEPARTUM & POSTPARTUM W SAL-OOPHRCTMY,
OTH MAJOR OPER'

/* NORMAL DELIVERY = 63

WHEN 650-6500
  SELECT OPER1
     WHEN 681,682,685,691-694,700,718                                   =279
     TITLE  279 '63P2'
                'DELIVERY W LIGATION OF FALLOPIAN TUBE,SALPINGECTOMY'
     WHEN 771,778,779                                                   =280
     TITLE  280 '63P3'
                'DELIVERY WITH C-SECTION'
     OWISE                                                              =278
     TITLE  278 '63P1'
                'DELIVERY WO OPER OR W OPER ASSISTING DELIVERY'

/* DELIVERY WITH COMPLICATION = 64

WHEN 651-6620,6731
  SELECT OPER1
     WHEN 770-779                                                       =282
     TITLE  282 '64P2'
                'DELIVERY WITH COMPLICATION W C-SECTION'
     OWISE                                                              =281
     TITLE  281 '64P1'
                'DELIVERY WITH COMPLICATION WO OPER OR W OPER
ASSISTING DELIVERY'

/* DISEASES OF SKIN AND SUBCUTANEOUS TISSUE = 65

WHEN 680-6840,686-7099
  SELECT DX1
     WHEN 680-6806,683-6840,686-6869,690-6900,6925,
          6950,6953,6962,6963,6983,700-7069,708-7099
        SELECT DX2
           WHEN 0000,'    '                                             =283
           TITLE  283 '65D1ND'
                      'KELOID,CICATRIX,SEBACEOUS CYST,
OTH MINOR SKIN DIS WO DX2'
           OWISE                                                        =284
           TITLE  284 '65D1YD'
                      'KELOID,CICATRIX,SEBACEOUS CYST,
OTH MINOR SKIN DIS W DX2'
```

```
      WHEN 6927,694-6940,696-6961,6964,7070-7071                    =289
      TITLE  289 '65D3'
                 'PSORIASIS, PEMPHIGUS, CHR ULCER OF SKIN'
      OWISE
         SELECT OPER1
            WHEN 000, '    '
               SELECT AGE
                  WHEN 0-20                                         =285
                  TITLE  285 '65D2NSA1'
                             'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
CHR ULCER WO CPER OF AGE<21'
                  OWISE                                             =286
                  TITLE  286 '65D2YSA2'
                             'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
CHR ULCER WO OPER OF AGE >20'
               OWISE
                  SELECT DX2
                     WHEN 0000,'    '                               =287
                     TITLE  287 '65D2YSND'
                                'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
ERYTHMA CONDITN W CPER WO DX2'
                     OWISE                                          =288
                     TITLE  288 '65D2YSYD'
                                'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
ERYTHMA CONDITN W OPER W DX2'

/* ARTHRITIS = 66

WHEN 710-7150
  SELECT CPER1
     WHEN 000,'    '
        SELECT AGE
           WHEN 0-64                                                =290
           TITLE  290 '66NSA1'
                      'ARTHRITIS WO OPER OF AGE<65'
           OWISE                                                    =291
           TITLE  291 '66NSA2'
                      'ARTHRITIS WO OPER OF AGE>64'
     WHEN A27,039,114,502,682,685,703,804,819,857,861,
          863,866,872,875,876,883,889,891,892,894,899               =292
     TITLE  292 '66YSP1'
                'ARTHRITIS W EXCISN(BONE,JOINT,SYNOVIUM),ARTHRODESIS'
     WHEN A16,A18,030,048,193,240,304,357,391,435,451,
          470,478,561,581,800,801,803,808,870,871,873,933           =294
     TITLE  294 '66YSP3'
                'ARTHRITIS W REPAIR & PLASTIC OPER(JOINT,HIP) LAMINECTOMY'
     OWISE                                                          =293
     TITLE  293 '66YSP2'
                'ARTHRITIS W ARTHROTOMY,SPINAL FUSN,EXCISN INTERVERT CARTILAGE'

/* DERANGEMENT AND DISPLACEMENT OF INVERTEBRAL DISC = 67

WHEN 725-7259
  SELECT OPER1
     WHEN 000,'    '                                               =295
     TITLE  295 '67NS'
                'DEARANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC WO OPER'
     OWISE                                                          =296
     TITLE  296 '67YS'
                'DEARANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC W OPER'

/* DISEASES OF BONE AND CARTILEGE = 68

WHEN 7171-7180,720-7249
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN 720-7202,7210,7223,7230,7232,7241                   =298
           TITLE  298 '68NSD2'
                      'OSTEOMYELITIS (ACUTE,CHR),OSTEOPOROSIS,SPONT FRACTURE
WO OPER'
           OWISE                                                    =297
```

```
          TITLE  297 '68NSD1'
                     'RHEMATISM,PERIOSTITIS,OTH MINOR BONE DIS WO OPER'
     WHEN A29,A4,A59,052,170,249,303,461,579,802,806,
          811,814,861,862,863,864,865,869,873,876,877,878,
          880,881,882,883,884,887,888,889,893,894,930,
          949,973,974,994                                          =299
     TITLE  299 '68YSP1'
                'DIS OF BONE & CARTILAGE W EXCISN SEMILUNAR CART,
REPAIR OTH JOINT'
     WHEN A15,A16,A19,A22,A26,A27,A28,A43,A45,A46,A49,
          015,020,030,031,033,196,308,320,575,694,800,
          801,803,810,821,825,841,843,844,845,847,850,
          855,856,857,870,871,874,875,920,921,924,925,970          =301
     TITLE  301 '68YSP3'
                'DIS OF BONE & CARTILAGE W AMPUTATION,
ARTHROPLASTY HIP,OTH MAJOR OPER'
     OWISE                                                         =300
     TITLE  300 '68YSP2'
                'DIS OF BONE & CARTILAGE W ARTHROTMY,
EXCISN BONE,FUSN BONE'

/* OTHER DISEASES OF MUSCULO-SKELETAL SYSTEM = 69


WHEN 716-7170,726-7389
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN 7270,7271,7274,7276,7280,7292,7294,
                7296,730-7319,7332,7334-7336,
                7350-7352,7359,736-7370,7380,7382,
                7383,7386,7387                                     =302
           TITLE  302 '69NSD1'
                      'BUNION,SYNVITIS,BURSITIS,TENOSYNVITIS,
SCLIOSIS,DEFORM FOOT WO OPER'
           OWISE
              SELECT DX2
                 WHEN 0000,'    '                                  =303
                 TITLE  303 '69NSD2ND'
                            'LUMBALGIA,DIFF DIS OF CONN TISS,
MYOSITIS WO OPER WO DX2'
                 OWISE                                             =304
                 TITLE  304 '69NSD2YD'
                            'LUMBALGIA,DIFF DIS OF CONN TISS,
MYOSITIS WO OPER W DX2'
     OWISE
        SELECT DX1
           WHEN 7274,7276,7292-7294,7312-7314,
                7317-7320,7331-7332,7334-7336,
                7380,7383,7387                                     =305
           TITLE  305 '69YSD1'
                      'SYNOVITIS,TENDONITIS,BURSITIS,DEFORMITY
(FINGER,TOE,PALM) W OPER'
           OWISE
              SELECT OPER1
                 WHEN A18,A20,A29,A59,039,042
                      048,063,074,092,093,193,
                      252,394,682,725,825,
                      850,855,861,869,880,882,
                      888,889,891,892,893,898,
                      899,930,937,949,982                          =306
                 TITLE  306 '69YSD2P1'
                            'OTH DIS OF MUSCULOSKELETAL SYST(MAJOR)
W MINOR OPER'
                 WHEN A14,A16,A22,A25,A27,A44,
                      A45,A46,A49,030,031,033,
                      035,051,205,230,240,320,
                      321,329,515,521,575,
                      579,582,652,703,800,
                      801,810,816,821,828,857,
                      864,870,871,874,894,921,
                      922,925,933                                  =308
                 TITLE  308 '69YSD2P3'
                            'OTH DIS OF MUSCULOSKELETAL SYST(MAJ)
W SPINAL FUSN,OTH MAJOR OPER'
```

```
                OWISE                                                   =307
                TITLE  307 '69YSD2P2'
                           'OTH DIS OF MUSCULOSKELETAL SYST(MAJ) W EXCISN,
REPAIR(SML JNT,BONE)'
/* CONGENITAL ANOMALIES = 70

WHEN 740-7433,7438-7570,7572-7599
  SELECT OPER1
     WHEN COO,'    '
        SELECT DX1
           WHEN 741-7419,742,7420,743-7439,7460,
                7462-7464,7469,747-7479,7484-7489,
                749-7492,7503,7512,7514,7517,
                7530-7536,7538,7539,7551,7555,
                7556-7562,7567-7574,7579,7583-7589,
                7593,7594,7598                                          =310
           TITLE  310 '70NSD2'
                      'CONGENITAL ANOMALY(HEART,KIDNEY,OTH MAJOR) WO OPER'
           OWISE                                                        =309
           TITLE  309 '70NSD1'
                      'OSTEOGENESIS IMPERFECTA,PYLORIC STENOSIS,
UNDESC TESTICLE WO OPER'
     OWISE
        SELECT DX1
           WHEN 744-7449,745-7459,7480-7483 ,
                750-7501,7509,752-7521,7524-7529,
                7530,7536,7537,7539,7550,7551,
                7554,7555,7559,757-7579,
                758-7583                                                =311
           TITLE  311 '70YSD1'
                      'CONG ANOM(TESTICLE,SKIN,PYLORIC STENOSIS,OTH MINOR)
W OPER'
           WHEN 741-7419,742,743-7439,7460-7462,
                7468,7470,7471,747s,7474,7510,7511,
                7513,7514,7516-7519,7522,7523,7531,
                7532,7534,7535,7538,7560,7563,
                7567
              SELECT OPER1
                 WHEN A18,A42,A43,A46,012,042,
                      076,174,193,195,240,246,
                      270,288,302,303,399,467,
                      483,505,516,557,559,
                      561,563,571,574,575,597,
                      682,692,804,808,812,816,
                      870,871,872,875,887,899,
                      951,975                                           =315
                 TITLE  315 '70YSD3P1'
                            'ASD,TOF,PDA,COA,HYPOSPADIA W CATHRZN,
REPAIR URETHRA'
                 OWISE                                                  =316
                 TITLE  316 '70YSD3P2'
                            'ASD,TOF,PDA,COA W OPER ON VALVE,SEPTUM,SHUNT'
           WHEN 7472,7476,7478,7484-7489,7502,7503,
                7508,7512,7515,7561,7562                                =317
           TITLE  317 '70YSD4'
                      'CONG ANOM(SPINE,ESOPHAGEAL ATRESIA,HIRSCHSPRUNG DIS)
W OPER'
           OWISE
              SELECT OPER1
                 WHEN A16,A25,A26,A43,A46,020,029,
                      117,121,165,170,190,191,193,199,213,
                      229,271,302,303,304,323,395,
                      461,477,557,597,802,806,808,
                      826,827,856,860,876,881,882,
                      899,920,921,930,942,944,949,
                      961                                               =312
                 TITLE  312 '70YSD2P1'
                            'CONG ANOM OF HT(VALVE,UNSPEC)W HT CATHETERIZATN'
                 WHEN A44,022,024,030,034,077,090,
                      132,195,205,245,248,270,274,
                      280,284,292,293,294,295,296,
                      298,307,320,329,388,391,400,
                      467,471,474,475,478,465,503,
```

```
                    516,544,545,546,801,820,871,
                    874,877,993                                    =314
                TITLE  314 '70YSD2P3'
                           'CONG ANOM OF HT(VALVE,UNSPEC)W OPER ON
HT(VALVE,SEPTUM)'
                OWISE                                              =313
                TITLE  313 '70YSD2P2'
                           'CONG ANOM(PALATE,LIP,HIP,OTH EXTR)W
REPAIR(LIP,PALATE),ARTHRODESIS'

/* NORMAL MATURE BORN = 71

WHEN Y20-Y209,Y22-Y239,Y26-Y279                                     =318
TITLE  318 '71'
           'NORMAL MATURE BORN'

/* CERTAIN DISEASES & CONDITIONS PECULIAR TO NEWBORN INFANTS = 72

WHEN Y21-Y219,Y24-Y259,Y28-Y299,Y005,760-7799
  SELECT DX1
     WHEN Y005,7611,7613,7689,7691,770,7722,7729,7749,
          7750,7751,7752,7759,776,7760,7764,7769,778,
          7781,7782,7789,7799                                       =319
     TITLE  319 '72D1'
                'WELL BABY CARE,POST MATURITY,OTH MINOR DIS
OR COND OF NEWBRN INFNT'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                        =320
           TITLE  320 '72D2ND'
                      'IMMATURITY,HYALINE MEMB DIS,OTH MAJOR DIS
OR COND OF INFANT WO DX2'
           OWISE                                                   =321
           TITLE  321 '72D2YD'
                      'IMMATURITY,HYALINE MEMB DIS,OTH MAJOR DIS
OR COND OF INFANT W DX2'

/* SYMPTOMS AND SIGNS REFERABLE TO NERVOUS, RESPIRATORY, AND CIRCULATORY

/*  =73

WHEN 4432,780-7808,7814-7815,7817-7823,7825-7834,7836-7837
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN 0000,'    '                                        =322
           TITLE  322 '73NSND'
                      'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) WO OPER WO DX2'
           OWISE
              SELECT DX1
                 WHEN 7805,7806,7815,7817,
                      7818,7822,7826,7828,
                      7831,7832,7833                               =324
                 TITLE  324 '73NSYD02'
                            'VERTIGO,ENCEPHALOPATHY,DYSPNEA,
HEMOPTYSIS WO OPER W DX2'
                 OWISE                                             =323
                 TITLE  323 '73NSYD01'
                            'CONVULSION,SYNCOPE,EPISTAXIS,CHEST PAIN
WO OPER W DX2'
     WHEN A14,A16,A20,A26,A43,048,051,171,191,193,195,197,
          206,250,251,268,302,303,323,557,601,714,
          716,740,747,750,803,807,864,865,872,881,887,
          920,921,925,951,984,994,999                              =325
     TITLE  325 '73YSP1'
                'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MINOR OPER'
     OWISE                                                        =326
     TITLE  326 '73YSP2'
                'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MAJOR OPER'

/* SYMPTOMS & SIGNS REFERABLE TO GI & URINARY SYSTEM = 74
```

```
WHEN 784-7865
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN 0000,'     '                                          =327
           TITLE  327 '74NSND'
                      'SYMPTOM OR SIGNS(G-I,URINARY SYST) WO OPER WO DX2'
           OWISE                                                     =328
           TITLE  328 '74NSYD'
                      'SYMPTOM OR SIGNS(G-I,URINARY SYST) WO OPER W DX2'
     WHEN A18,A27,A42,A44,A46,A49,A53,219,226,
          244,395,411,435,465,467,474,568,575,
          612,682,685,703,716,719,725,747,862,881                    =329
     TITLE  329 '74YSP1'
                'SYMPTOM OR SIGNS(G-I URINARY SYST) W ENDOSCOPY,OTH MINOR OPER'
     OWISE                                                           =330
     TITLE  330 '74YSP2'
                'SYMPTOM OR SIGNS(G-I URINARY SYST) W EXPL LAPARTMY,
OTH MAJOR OPER'

/* MISCELLANEOUS SIGNS,SYMPTOMS,& ILL-DEFINED CONDITIONS = 75

WHEN 606-6060,628-6280,6293,6295,7810-7813,7816,7835,
     7866-7889,790-7910,793-7969
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN 606,6060,628,6280,6293,6295,7866,7867,
                7930,7931,7938,7939                                  =331
           TITLE  331 '75NSD1'
                      'STERILITY(MALE,FEMALE),ADMISSION FOR OBSERV WO OPER'
           OWISE
              SELECT AGE
                 WHEN 0-14                                           =332
                 TITLE  332 '75NSD2A1'
                            'ELECTRLYT DISOR,HEDACHE,PYREXIA,OTH ILL-DEF
SYMT WO OPER OF AGE<15'
                 OWISE                                               =333
                 TITLE  333 '75NSD2A2'
                            'ELECTRLYT DISOR,HEDACHE,PYREXIA,OTH ILL-DEF
SYMT WO OPER OF AGE>14'
     WHEN A14,A22,A23,A24,A42,A46,A53,A54,A59,040,
          042,046,048,073,094,105,106,213,221,240,
          268,302,390,394,395,411,557,571,575,590,
          592,597,599,601,602,604,609,652,685,686,
          689,702,703,704,706,708,709,710,711,713,716,
          719,720,725,747,771,803,860,876,892,894,
          899,920,931                                                =334
     TITLE  334 '75YSP1'
                'MISC SYMPT OR SIGNS W PERINEOSCOPY,CYSTOSCOPY OTH MINOR OPER'
     OWISE                                                           =335
     TITLE  335 '75YSP2'
                'MISC SYMPT OR SIGNS W HYSTERECTOMY,EXPL LAPARTMY,
OTH MAJOR OPER'

/* FRACTURES = 76

WHEN 800-8299
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN 800-8009,8010,8020,8022,8024,8030,8031,8059,
                8069,8074,8079,810,8100,8119,8129,813,8130,8132,8134,
                8139,814-8149,8150,8159,8160-8169,8170,8180,
                8221,823-8230,8233,824-8249,8250,8260,8270,8290
              SELECT AGE
                 WHEN 0-29                                           =336
                 TITLE  336 '76NSD1A1'
                            'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND)
WO OPER OF AGE<30'
                 OWISE                                               =337
```

```
                TITLE  337 '76NSD1A2'
                           'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND)
WO UPER OF AGE>29'
           WHEN 8019,8050,8052,8054,8070,8072,8089,812,8120,
                8122,8124,8204,8220,8231,8232,8239
              SELECT AGE
                 WHEN 0-64                                          =338
                 TITLE  338 '76NSD2A1'
                           'FX(SPINE  ,RIB,HUMERUS) WO OPER OF AGE<65'
                 OWISE                                              =339
                 TITLE  339 '76NSD2A2'
                           'FX(SPINE,RIB,HUMERUS) WO OPER OF AGE>64'
           OWISE                                                    =340
           TITLE  340 '76NSD3'
                      'FX(FEMUR,PELVIS,MULTIPLE) WO OPER'
     WHEN A42,041,045,046,059,060,074,090,093,099,106,163,191,
          193,194,196,199,208,242,394,464,472,513,685,720,800,
          802,803,810,811,812,813,830,833,834,840,850,853,861,
          863,864,869,872,876,881,889,893,894,899,924,937,942,
          974,975,976,979,980,981,984,985,999
        SELECT DX1
           WHEN 8010,802-8021,8025-8029,8049,8079,
                8100,8110,813-8130,8132-8135,814-8149,
                8159,816-8169,8203,8213,823,8232,
                8233,8241,8259,8260,8290
              SELECT DX2
                 WHEN 0000,'    '                                  =341
                 TITLE  341 '76YSP1D1ND'
                           'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE
REDUCTN WO DX2'
                 OWISE                                              =342
                 TITLE  342 '76YSP1D1YD'
                           'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE
REDUCTN W DX2'
              OWISE
                 SELECT DX2
                    WHEN 0000,'    '                               =343
                    TITLE  343 '76YSP1D2ND'
                           'FX(MANDBLE,HUMERUS,ANKL)W CLS REDUCTN,
OPEN REDUCTN FOR FACE WO DX2'
                    OWISE                                           =344
                    TITLE  344 '76YSP1D2YD'
                           'FX(MANDBLE,HUMERUS,ANKL)W CLS REDUCTN,
OPEN REDUCTN FOR FACE W DX2'
     WHEN A19,A27,A41,A43,A44,A45,A46,A49,010,013,022,030,
          033,040,145,165,190,205,247,273,304,320,321,345,
          391,403,451,462,475,512,560,562,566,568,575,
          581,582,652,801,814,815,820-829,841,855,870,
          871,874,883,891,921,935,936,993                       =348
     TITLE  348 '76YSP3'
                'FX OF BONE W AMPUTATN,ARTHROPLASTY OF HIP,OTH MAJOR OPER'
     OWISE
        SELECT DX1
           WHEN 8011,8020,8021,8025,8029,8031,8054,8062,
                8071,3100,8109,3110,8124,8129,8130,8131,
                8132,8134,8139,8149,8150,8151,8159,8160,
                8161,8169,8170,8171,8180,8221,8229,
                825,8250,8259,8260,8261,8269                    =345
           TITLE  345 '76YSP2D1'
                      'FX(ARM,HAND,FOOT,CLAVICLE) W OPEN REDUCTN,EXT FIXATN,
DEBRIDEMENT'
           WHEN 8000,8010,802,8023,8030,8050,8056,
                8072,8080,8090,812-8121,8123,8135,
                8200,8202-8204,8210-8213,8231,
                8233,8241,8270,8281                             =347
           TITLE  347 '76YSP2D3'
                      'FX(FEMUR,PELVIS) W OPEN REDUCTN,EXT FIXATN,
DEBRIDEMENT'
           OWISE                                                =346
           TITLE  346 '76YSP2D2'
                      'FX(ANKLE,TIBIA & FIBULA) W OPEN REDUCTN,EXT FIXATN,
DEBRIDEMENT'

/* DISLOCATION AND OTHER MUSCULO-SKELETAL INJURY = 77
```

```
WHEN 830-8480
  SELECT OPER1
     WHEN 000,'   '
        SELECT DX1
           WHEN 8300,8350,8395,844-8440,846-8470,
                8478,8479                                          =350
           TITLE  350 '77NSD2'
                      'DISLOCATN(JAW,HIP),SPRAINS(KNEE,SACROILIAC,OTH UNSPEC)
WO OPER'
           OWISE                                                   =349
           TITLE  349 '77NSD1'
                      'DISLOCATN(SHOULDER,ELBOW,WRIST,KNEE)SPRAINS
(ANKL,FOOT,HAND) WO OPER'
     OWISE
        SELECT DX1
           WHEN 8300,8301,8310,8311,8320,8330,
                8339,8340,8341,8349,8379,8381,
                8389,8397,841,8410,842,8420,
                8421,8451                                          =351
           TITLE  351 '77YSD1'
                      'DISLOCATN(SHOULDER,ELBOW,HAND)SPRAINS
(ELBOW,WRIST,HAND) W OPER'
           WHEN 8319,8350,8359,8370,8390,8395,
                8430,846,8460,8470,8478,8479                       =353
           TITLE  353 '77YSD3'
                      'DISLOCATN(HIP,MULTIPLE),SPRAINS
(HIP,SACROILIAC,OTH UNSPEC) W OPER'
           OWISE                                                   =352
           TITLE  352 '77YSD2'
                      'DISLOCATN(KNEE,ANKLE),SPRAINS
(SHOULDER,KNEE,ANKLE) W OPER'

/* INTERNAL INJURY OF CRANIUM,CHEST,AND OTHER ORGANS = 78

WHEN 850-8699,950-9599,9953,9954
  SELECT OPER1
     WHEN 000,'   '
        SELECT AGE
           WHEN 0-40
              SELECT DX2
                 WHEN 0000,'   '                                   =354
                 TITLE  354 '78NSA1ND'
                            'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER
WO DX2 OF AGE<41'
                 OWISE                                             =355
                 TITLE  355 '78NSA1YD'
                            'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER
W DX2 OF AGE<41'
           OWISE                                                   =356
           TITLE  356 '78NSA2'
                      'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER OF AGE>40'
     WHEN A42,A44,A45,020,040,042,044,045,046,048,073,170,
          195,249,263,321,345,384,390,394,483,513,545,568,
          685,706,709,716,845,860,873,877,880,885,886,887,
          891,892,893,894,896,925,930                              =357
     TITLE  357 '78YSP1'
                'INTERNAL INJURY W SUTURE(SKIN,NERVE),NEUROPLASTY,
OTH MINOR OPER'
     WHEN A43,010,013,030,039,074,101,199,205,206,242,245,247,
          278,285,324,343,380,382,391,422,423,462,466,
          474,475,478,479,484,500,516,540,565,574,575,
          582,590,624,830,833,840,864,874,933,981,984              =359
     TITLE  359 '78YSP3'
                'INTERNAL INJURY W CRANIOTOMY,EXPL LAPAROTOMY'
     OWISE                                                         =358
     TITLE  358 '78YSP2'
                'INTERNAL INJURY W SPLENECTMY,THORACOTMY,PLEUROTMY,EXCISN SKIN'

/* OPEN WOUND AND SUPERFICIAL INJURY = 79

WHEN 870-9390,996-9969
  SELECT OPER1
```

```
      WHEN 000,'    '
         SELECT DX1
            WHEN 870-8709,872-8729,8732,8740,8750,
                 8760,8770,8771,8730,8781,8790,8800,
                 3801,3810,8811,8812,8820,8822,8829,
                 8830,8839,885-8859,8869,8879,8910,
                 8920,3930,8939,9030,9070,9100,9110,
                 9120,9130,9140,9150,9159,9170,
                 9250,9260,930-9350,938-9390,
                 9963-9965                                          =360
            TITLE  360 '79NSD1'
                       'OPEN WOUND NOT COMPLICATED,SUPERFICIAL INJURY,
FOREIGN BCDY WO OPER'
            OWISE
               SELECT DX2
                  WHEN 0000,'    '                                 =361
                  TITLE  361 '79NSD2ND'
                             'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY
WO OPER WO DX2'
                  OWISE                                            =362
                  TITLE  362 '79NSD2YD'
                             'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY
WO OPER W DX2'
      WHEN A12,A27,A45,A46,A49,059,063,090,093,100,101,
           113,114,118,121,131,145,147,149,205,206,242,246,
           247,248,249,251,278,290,305,320,321,323,342,
           345,350,382,388,391,393,394,395,423,451,460,
           464,475,478,484,505,513,544,560,575,579,590,
           591,614,716,800,804,807,816,825,827,843,844,847,850,
           851,857,873,880,886,896,900,921,933,936,955,
           980,981,984
         SELECT DX1
            WHEN 870-8709,8710,8729,8730-8732,8737,
                 8739,8760,8780,8781,8798,8801,8810,
                 8821,8829,883-8832,8839,8840,8850,
                 8860-8869,8912,8922,8929,8940,
                 9010,9039,9060-9159,9200,9219,9230,
                 9279,9280,9289,930-9310,9964,9965                  =365
            TITLE  365 '79YSP2D1'
                       'OPEN WOUND(EXTR),SUPERF INJURY W EXCISN,DEBRIDMENT,
OTH MAJOR OPER'
            OWISE                                                  =366
            TITLE  366 '79YSP2D2'
                       'OPEN WOUND(COMPL,BODY,MULTIPLE)W EXCISN,DEBRIDMENT,
OTH MAJOR OPER'
      OWISE
         SELECT DX1
            WHEN 8700,8709,8720,8729,8732,8760,
                 8740,8750,8760,8770,878,8781,
                 8810,8819,8820,8822,8830,8832,
                 8842,8869,8920,8921,8931,9011,
                 9030,9032,9109,9110,9140,9150,
                 9159,9219,9239,9260,9269,
                 928-9390,9961,9963,9965,9967                       =363
            TITLE  363 '79YSP1D1'
                       'OPEN WOUND(EXTR),FOREIGN BODY W ENDOSCPY,SUTURE,
OTH MINOR OPER'
            OWISE                                                  =364
            TITLE  364 '79YSP1D2'
                       'OPEN WOUND(COMPL,HEAD,MULTIPLE) W ENDSCPY,SUTURE,
OTH MINOR OPER'

/*  BURN = 80


WHEN 940-9499
  SELECT DX1
      WHEN 9400,9409,9410,9411,9412,9419,9422,9429,
           9430,9431,9432,9438,9440,9441,9442,
           9448,945,9450,9451,9452,9459,9460,
           9471,9490,9491                                          =367
      TITLE  367 '80D1'
                 'BURN OF 1ST DEGR,2ND DEGR UNCOMPL, LESS THAN 20% OF BODY'
      OWISE                                                        =368
      TITLE  368 '80D2'
```

```
                'BURN OF 2ND DEGR COMPL, 3RD DEGR, MORE THAN 20% OF BODY'
/* COMPLICATION OF SURGICAL AND MEDICAL CARE = 81

WHEN 997-9991,9993-9999
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX2
           WHEN 0000,'    '                                          =369
           TITLE  369 '81NSND'
                      'COMPL OF SURGICAL OR MEDICAL CARE WO OPER WO DX2'
           OWISE                                                     =370
           TITLE  370 '81NSYD'
                      'COMPL OF SURGICAL OR MEDICAL CARE WO OPER W DX2'
     WHEN A27,A43,A46,A49,A53,012,059,040,042,046,059,
          C72,C73,C79,090,093,094,099,102,113,119,
          120,135,139,143,161,171,172,195,206,208,214,
          220,242,245,276,287,303,320,322,357,386,
          395,430,482,505,512,518,520,542,560,562,
          590,650,652,659,672,702,703,706,708,709,
          713,714,715,716,719,720,781,782,785,800,
          803,832,843,850,889,899,922,943,944,955,
          966,969,976,990                                          =371
     TITLE  371 '81YSP1'
                'COMPL OF SURGICAL OR MEDICAL CARE W MINOR OPER'
     WHEN A45,020,045,091,248,249,302,305,309,329,390,
          393,466,483,572,575,582,601,657,671,692,
          712,718,757,783,816,891,893,920,925,930,970              =372
     TITLE  372 '81YSP2'
                'COMPL OF SURGICAL OR MEDICAL CARE W
REPLACE HT DEVICE,REPAIR STOMA'
     OWISE                                                         =373
     TITLE  373 '81YSP3'
                'COMPL OF SURGICAL OR MEDICAL CARE W REVISN SHUNT,
OTH MAJOR OPER'

/* ADVERSE EFFECTS OF A CERTAIN SUBSTANCE = 82

WHEN 960-9952,9955-9959
  SELECT DX1
     WHEN 9610,9620,9631,9642,9644,9655,9680,9730,
          9731,9832,984-9879,9894,9904-9912,
          9920,9942,9948,9949,9952,9955
        SELECT DX2
           WHEN 0000, '    '                                       =376
           TITLE  376 '82D2ND'
                      'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,
RADIATION) WO DX2'
           OWISE                                                   =377
           TITLE  377 '82D2YD'
                      'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,
RADIATION) W DX2'
     OWISE
        SELECT DX2
           WHEN 0000,'    '                                       =374
           TITLE  374 '82D1ND'
                      'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOL WO DX2'
           OWISE                                                   =375
           TITLE  375 '82D1YD'
                      'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOL W DX2'

/* SPECIAL ADMISSIONS AND EXAMINATIONS WITHOUT REPORTED DIAGNOSES = 83

WHEN Y00-Y004,Y006-Y159,379-3793,388-3899,789-7899
  SELECT OPER1
     WHEN 000,'    '
        SELECT DX1
           WHEN Y003,Y004,Y008,Y009,Y01,Y034,Y06,Y060,Y07,
                Y100,Y101,Y153,7894                               =378
           TITLE  378 '83NSD1'
                      'PRENATAL CARE,MEDICAL & SURGICAL AFTER CARE(DIALYSIS)
WO OPER'
```

```
          WHEN Y007,Y010,Y020,Y039,Y061,Y070,Y09,Y090,Y099,
               Y103,Y129,3790,7890,7895                              =379
          TITLE  379 '83NSD2'
                     'ADMISSION(FOR STERILIZATION,CHEMOTHER,RADIATIONTHER)
WO OPER'
          OWISE                                                     =380
          TITLE  380 '83NSD3'
                     'FOLLOWUP(CA),SURG-MED AFTER CARE(COLOSTOMY,ORTHOP,OTH)
WO OPER'
     WHEN A21,A23,A29,A53,A59,024,039,069,074,082,090,094,
          111,134,160,162,165,170,171,174,176,177,179,208,211,213,
          302,382,467,502,557,559,562,571,596,601,602,
          652,682,689,702,703,705,710,716,719,725,740,
          741,745,747,749,757,780,781,807,861,880,887,
          888,893,899,929,930,935,936,940,943,949,979,
          993                                                       =381
     TITLE  381 '83YSP1'
                'SPECIAL ADMISSION W OPER ON STERILIZATION OR D&C'
     WHEN A14,A19,A20,A22,A43,A46,076,101,125,251,294,
          305,588,561,575,609,612,631,684,685,709,
          748,756,783,808,816,889,920,941,944,962                   =382
     TITLE  382 '83YSP2'
                'SPECIAL ADMISSION W CYSTOSCOPY,
REMOVAL OF FIX DEVICE(INTERNAL)'
     OWISE                                                          =383
     TITLE  383 '83YSP3'
                'SPECIAL ADMISSION W EXPL LAPAROTMY,HYSTERECTMY,
OTH MAJOR OPER'
OWISE                                                               =384
TITLE  384 '****'
           'UNGROUPED'
```

Appendix E.2

Source Listing of HICDA Grouping Program

```
EXEC GSYNTAX
TURN ALIGN OFF
REGISTER IO:GNUM I.2,DX1 C.4,DX2 C.4,OPER1 C.3,OPER2 C.3,AGE I.1,SERV I.1
TURN ALIGN ON
LANGUAGE GROUPER
WORK FILE TEMPMSTR S 1300
TITLE OPEN 'HITITLES S 390'
START DX1 IN GCCBQH1 USING 8000

/*INFECTIOUS DISEASES = 1

WHEN 001-0689, 071-1360
    SELECT DX1
        WHEN 008-0091
            SELECT AGE
                WHEN 0-15                                                    = 1
  TITLE   1 '01D1A1'
            'ENTERITIS,DIARRHEAL DIS OF AGE<16'
                OWISE                                                        = 2
  TITLE   2 '01D1A2'
            'ENTERITIS,DIARRHEAL DIS OF AGE>15'
        WHEN 001,0020,0030,0039,0060,0110-0113,0119-0122,0130,
             0270,0310,0361,0380,0381,
             0383,0388,0389,0430,046,0460,0532,0539,066,0660,
             0781,0840,0940,0970,0983,1009,1150,1173,1228,1240,135-1359,
             0339,0360,0390,0530,0531,071-0710,0820,0838,1130,1159,1178,
             1160,1179,0069,0114,0139-0199,0579,0621,0623,0650
             SELECT OPER1
                WHEN 000,'    '                                              = 5
  TITLE   5 '01D3NS'
            'SEPTICEMIA,TBC,SARCOIDOSIS,SALMONELLA INFECTN WO OPER'
                OWISE                                                        = 6
  TITLE   6 '01D3YS'
            'SEPTICEMIA,TBC,SARCOIDOSIS,SALMONELLA INFECTN W OPER'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                             = 3
  TITLE   3 '01D2ND'
            'VENEREAL DIS, VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,WART,OTH) WO DX2'
                OWISE                                                        = 4
  TITLE   4 '01D2YD'
            'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,WART,OTH) W OX2'

/*MALIGNANT NEOPLASM OF DIGESTIVE SYSTEM = 2

WHEN 1400-1590
    SELECT OPER1
        WHEN 000,'    '
            SELECT DX1
                WHEN 1400-1490,1530-1534,155-1561,1569,
                     1539,1542,1562,1581                                     = 7
  TITLE   7 '02NSD1'
            'CA OF ORAL CAVTY,COLON,GALLBLDR WO OPER'
                OWISE                                                        = 8
  TITLE   8 '02NSD2'
            'CA OF G-I SYST EXCEPT ORAL CAVTY,COLON,GALLBLDR WO OPER'
        WHEN 381,524,527,041,043,222,223,373,229,220,225,224,330,
             340,350,360,534,337,346,358,369,252,430,432,434,436,551,
             552,553,557,558,562,521,528,522,530,534,535,532,536,533,
             540,548,541,542,543,382,388,440,450,451,442,448,443,444,
             445,453,459,463,470,472,473,480,481,482,475,479,483,502,
             509,512,518,600,609,694,613,615,617,619,691,698,
             693,711,732,890,891,909,412,419,803,804,801,254,265,435,454,
             491,506,904,870-879,010,015,020,030-033,471,604,823         = 11
  TITLE  11 '02YSP2'
            'CA OF G-I SYST W EXPLR LAPLTMY,RESECTN INTESTIN,OTH MAJOR OPER'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                             = 9
  TITLE   9 '02YSP1ND'
            'CA OF G-I SYST W BIPSY,ENDOSCPY,LOCAL EXCSN,OTH MINOR OPER WO DX2
                OWISE                                                        = 10
  TITLE  10 '02YSP1YD'
            'CA OF G-I SYST W BIPSY ENDOSCPY,LOCAL EXCSN,OTH MINOR OPER W DX2'
```

```
/*MALIGNANT NEOPLASM OF RESPIRATORY SYSTEM = 3

WHEN 1600-1639
    SELECT OPER1
        WHEN 000,'    '
            SELECT DX2
                WHEN 0000,'    '                                          = 12
  TITLE  12 '03NSND'
            'CA OF RESP SYST WO OPER WO DX2'
                OWISE                                                    = 13
  TITLE  13 '03NSYD'
            'CA OF RESP SYST WO OPER W DX2'
             WHEN 891,898,222,223,373,220,225,300,301,302,308,532,522,
                  262,242,243,251,258,252,253,254,436,551-552,553,
                  536,450,451,479,802,808,803,805,815,823,834,840,
                  841,904,206,411,416,418,804,014,016,018,023,
                  260,010,030-033,051,213,250,263,264,268,320,325,439,443,
                  448,453                                                 = 16
  TITLE  16 '03YSP2'
            'CA OF RESP SYST W LOBECTMY,PNEUMONECTMY,OTH MAJOR OPER'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                         = 14
  TITLE  14 '03YSP1ND'
            'CA OF RESP SYST W BIPSY, ENDOSCPY,OTH MINOR OPER WO DX2'
                OWISE                                                    = 15
  TITLE  15 '03YSP1YD'
            'CA OF RESP SYST W BIPSY, ENDOSCPY,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF SKIN = 4

WHEN 1720-1739
    SELECT DX1
        WHEN 173-1739,1722-1724
            SELECT DX2
                WHEN 0000,'    '                                         = 17
  TITLE  17 '04D1ND'
            'CA OF SKIN EXCEPT MALIG MELANOMA WO DX2'
                OWISE                                                    = 18
  TITLE  18 '04D1YD'
            'CA OF SKIN EXCEPT MALIG MELANOMA W DX2'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                         = 19
  TITLE  19 '04D2ND'
            'MALIG MELANOMA WO DX2'
                OWISE                                                    = 20
  TITLE  20 '04D2YD'
            'MALIG MELANOMA W DX2'

/*MALIGNANT NEOPLASM OF BREAST = 5

WHEN 1740-1742
    SELECT OPER1
        WHEN 000,'    '
            SELECT AGE
                WHEN 0-62                                                = 21
  TITLE  21 '05NSA1'
            'CA OF BREAST WO OPER OF AGE<63'
                OWISE                                                    = 22
  TITLE  22 '05NSA2'
            'CA OF BREAST WO OPER OF AGE>62'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                         = 23
  TITLE  23 '05YSND'
            'CA OF BREAST W OPER WO DX2'
                OWISE                                                    = 24
  TITLE  24 '05YSYD'
            'CA OF BREAST W OPER W DX2'

/*MALIGNANT NEOPLASM OF FEMALE GENITAL ORGAN = 6

WHEN 1800-1849,6211,6291
```

```
    SELECT OPER1
         WHEN C00,'    '
              SELECT DX2
                   WHEN 0000,'     '                                    = 25
   TITLE  25 '06NSND'
              'CA OF FEMALE GENITL ORG WO OPER WO DX2'
                   OWISE                                               = 26
   TITLE  26 '06NSYD'
             'CA OF FEMALE GENITL ORG WO OPER W DX2'
         WHEN 267,382,524,527,530,540,331,341,351,361,151,
              158,800,914,370,371,378,372,373,374,260,261,551-552,
              553,554,557,558,534,463,475,480,481,482,483,620,621,
              622,623,630,632,633,634,635,652,691,698,692,694,695,
              710,711,712,715,735,743,745,741,744,755,788,894,262,
              301,337,338,345,347,355,357,368,435,521,523,562,613,
              724,714,834,832,453,464,470,474,479,522,556,877,878
              SELECT DX1
                   WHEN 182-1829,1800                                  = 29
   TITLE  29 '06YSP2D1'
              'CA OF UTERUS-CORPUS w HISTRECTMY,EXPLR LAPAROTOMY,OTH MAJOR OPER'
                   OWISE                                               = 30
   TITLE  30 '06YSP2D2'
              'CA OF UTERUS-CERVIX, OVARY W HISTRECTMY,OTH MAJOR OPER'
         OWISE
              SELECT DX2
                   WHEN 0000,'     '                                   = 27
   TITLE  27 '06YSP1ND'
              'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,OTH MINOR OPER WO DX2'
                   OWISE                                               = 28
   TITLE  28 '06YSP1YD'
              'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF MALE GENITAL ORGAN = 7

WHEN 185-1850,186-1379
    SELECT OPER1
         WHEN 000,'    '                                               = 31
   TITLE  31 '07NS'
              'CA OF MALE GENITL ORG WO OPER'
          WHEN 619,891,010,013,074,075,324,475,517,
               620,624,625,642,648,652,651,655,656,661,662,
               670,671,672,337,338,345,347,355,357,366,501,
               508,600,654,823,570,571,572,573,030,032,033,
               043,260,373,463,470,551,604,610,653                     = 34
   TITLE  34 '07YSP2'
              'CA OF MALE GENITL ORG W PROSTECTMY,OTH MAJOR OPER'
         OWISE
              SELECT DX2
                   WHEN 0000,'     '                                   = 32
   TITLE  32 '07YSP1ND'
              'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY WO DX2'
                   OWISE                                               = 33
   TITLE  33 '07YSP1YD'
              'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY W DX2'

/*MALIGNANT NEOPLASM OF URINARY SYSTEM = 8

WHEN 188-1899
    SELECT OPER1
         WHEN 000,'    '                                               = 35
   TITLE  35 '08NS'
              'CA OF URINARY SYST WO OPER'
          WHEN 151,158,800,830,852,858,850,260,256,570,571,
               572,573,551,552,453,463,474,475,600,
               601,609,603,604,611,612,613,614,615,620,
               621,623,628,624,625,553,730,016,018,019,265,
               337,338,345,347,355,357,368,502,557,558,562,
               602,608,032,010,374,443,470,841,873                     = 38
   TITLE  38 '08YSP2'
              'CA OF URINARY SYST w NEPHRECTMY,CYSTECTMY,OTH MAJOR OPER'
         OWISE
              SELECT DX2
                   WHEN 0000,'     '                                   = 36
   TITLE  36 '08YSP1ND'
              'CA OF URINARY SYST W CYSTOSCPY, LOCAL EXCISN,OTH MINOR OPER WO DX2'
```

```
                    OWISE                                                    = 37
  TITLE  37 '08YSP1YC'
            'CA OF URINARY SYST W CYSTOSCPY,LOCAL EXCISN,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES = 9

WHEN 1700-1719,190-1951,1959-1990
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX1
                    WHEN 1707,1709,1711-1713,1719,190,192,1900,1920,
                         1922,1924-1925,1930,1942,1950,1960,1963,
                         1700,1701,1704,1708,1929,1940,1943,1951,
                         1703,1706,1910-1913,1948,1964,1969                   = 39
  TITLE  39 '09NSD1'
            'CA OF BONE, THYROID,CONN TISSUE,NERVES WO OPER'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                               = 40
  TITLE  40 '09NSD2ND'
            'CA OF BRAIN, SECONDARY CA, MULTIPL CA WO OPER WO DX2'
                              OWISE                                          = 41
  TITLE  41 '09NSD2YD'
            'CA OF BRAIN,SECONDARY CA,MULTIPL CA WO OPER W DX2'
             WHEN 012,043,039,267,440,461,468,462,492,493,494,495,496,
                  497,498,499,500,517,381,524,527,540,913,010,013,016,
                  018,019,074,075,033,038,182,222,223,220,335,
                  345,355,367,337,358,369,332,334,343,344,348,
                  353,354,366,262,265,250,252,253,432,433,551,552,553,521,
                  528,530,532,536,534,535,450,451,453,463,470,471,
                  472,473,475,480,481,600,609,604,617,620,621,624,625,
                  652,394,711,802,808,803,805,815,825,821,823,
                  833,838,834,555,730,731,732,070,071,301,442,
                  448,443,474,479,502,531,538,539,670-679,076,022,023,
                  024,030,051,859,029,020,032,300,314,603,613,615,619         = 44
  TITLE  44 '09YSP2'
            'CA OF BONE,CONN TISSUE,NERVES,SECONDARY CA,MULTIPL CA W MAJOR OPER'
          OWISE
               SELECT DX1
                    WHEN 1709-1710,1712,1711,1713,1719,1941,1942,1969,
                         1921,1925,193,1930,1958,1959,1960,
                         1961,1965,1971,1981,1982,1983,1963,1964,
                         1989,199,1703,1900,1910,1912,1913,1924,1944,
                         1976,1978                                           = 42
  TITLE  42 '09YSP1D1'
            'CA OF THYROID,CONN TISSUE,NERVES W BIPSY,EXCISN,OTH MINOR OPER'
                    OWISE                                                    = 43
  TITLE  43 '09YSP1D2'
            'SECONDARY CA,MULTIPL CA W BIPSY,EXCISN,OTH MINOR OPER'

/*NEOPLASM OF LYMPHATIC AND HEMOPOIETIC TISSUE = 10

WHEN 2000-2090,2790
    SELECT AGE
          WHEN 0-15
               SELECT DX2
                    WHEN 0000,'    '                                        = 45
  TITLE  45 '1CA1ND'
            'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 WO DX2'
                    OWISE                                                    = 46
  TITLE  46 '10A1YD'
            'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 W DX2'
          OWISE
               SELECT OPER1
                    WHEN 000,'    '
                         SELECT DX1
                              WHEN 2000,2001,201,
                                   2022,2029,
                                   2059,2072,2079,
                                   208,2080,209,2090
                                   SELECT DX2
                                        WHEN 0000,'    '                    = 47
  TITLE  47 '10A2NSD1ND'
            'HODGKINS DIS,RETICULM-CELL SARCMA WO OPER OF AGE>15 WO DX2'
                                        OWISE                                = 48
```

```
   TITLE  48 '10A2NSC1YD'
           'HODGKINS DIS,RETICULM-CELL SARCMA WO OPER OF AGE>15 W DX2'
                        OWISE                                          = 49
   TITLE  49 '10A2NSD2'
           'MULTIPL MYELOMA,LEUKEMIA(LYMPH,MYELOID,MONO)WO OPER OF AGE >15'
                   WHEN 240,251,258,260,262,301,430,361,524,
                        527,530,540,391,398,691,698,722,716,
                        717,718,331,341,351,361,370,371,378,
                        151,158,800,891,898,912,916,918,911,
                        918,921,209,200,211,078,371,378,372,
                        373,374,320,261,554,463,652,391,398,
                        696,697,699,719,756,791,764,766,770,
                        802,808,803,805,852,858,842,852,891,
                        909,890,891,898,895,904,404,068,080,
                        171,178,190,199,201,208,213,219,403,
                        424,425,419,234,238,242,248,256,339,
                        349,359,369,442,448,758,390,397,910,
                        022,023,C77,380
                        SELECT DX2
                            WHEN 0000,'    '                           = 50
   TITLE  50 '10A2YSP1ND'
           'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS W MINOR OPER OF AGE>15 WO DX2'
                            OWISE                                      = 51
   TITLE  51 '10A2YSP1YD'
           'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS W MINOR OPER  OF AGE>15 W DX2'
                    OWISE                                              = 52
   TITLE  52 '10A2YSP2'
           'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS W MAJOR OPER OF AGE>15'

/*BENIGN NEOPLASM OF FEMALE GENITAL ORGAN = 11

WHEN 218-2219
    SELECT DX1
          WHEN 219,2190,2211-2212,2218
               SELECT DX2
                    WHEN 0000,'    '                                  = 53
   TITLE  53 '11D1ND'
           'BEN NEOPL OF UTERUS(PAPILOMA,POLYP),VAGINA,VULVA WO DX2'
                    OWISE                                              = 54
   TITLE  54 '11D1YD'
           'BEN NEOPL OF UTERUS(PAPILOMA,POLYP),VAGINA,VULVA W DX2'
          OWISE
               SELECT OPER1
                    WHEN 000,'   '                                     = 55
   TITLE  55 '11D2NS'
           'BEN NEOPL OF UTERUS(FIBROMA),OVARY WO OPER'
                   WHEN 151,158,800,916,922,929,221,228,461,
                        468,462,502,391,398,690,699,702,705,707,709,
                        722,720,718,719,756,791,757,792,725-727,553,
                        730,731,738,739,555,923
                       SELECT OPER2
                            WHEN 000,'   '                             = 56
   TITLE  56 '11D2YSP1NS'
           'BEN NEOPL OF UTERUS(FIBROMA),OVARY W D&C,EXCISN UTERUS WO OPER2'
                            OWISE                                      = 57
   TITLE  57 '11D2YSP1YS'
             'BEN NEOPL OF UTERUS(FIBROMA),OVARY W D&C,EXCISN UTERUS W OPER2'
                   WHEN 630,632-635,692,695,710,711,713,714,710,
                        711,729,734,733,823,895,904,694,701,841        = 59
   TITLE  59 '11D2YSP3'
           'BEN NEOPL OF UTERUS(FIBROMA),OVARY W HYSTRECTMY(ABDOMINAL,VAGINAL)'
                    OWISE                                              = 58
   TITLE  58 '11D2YSP2'
           'BEN NEOPL OF UTERUS(FIBROMA),OVARY W OOPHORECTMY,HYSTEROMYOMECTMY'

/*BENIGN NEOPLASM OF OTHER SITES = 12

WHEN 2100-2169,222-2259,2260-2264,2266-2399,7434,7571
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 2111,2115,2117,2123,
                         2300-2301,2303-2304,2307,2313,
                         2315,2320,2350,2362,2375,2381,2391,2399,2552,
                         2116,2139,225-2262,2264,2268,2280,2306,2373,
```

```
                    2374,2383,7434,235-2350,2102,2150,2163,2389,2390  = 61
  TITLE  61 '12NSD2'
         'BEN NEOPL OF BRAIN,PITUITARY GL,OTH UNSPEC WO OPER'
                OWISE                                               = 60
  TITLE  60 '12NSD1'
         'BEN NEOPL OF INTESTIN,URINARY SYST,LIPOMA,HEMANGIOMA WO OPER'
       OWISE
            SELECT DX1
                 WHEN 2112-2114,2119,2124-2125,2139,2231,
                      2255,2300-2301,2303,2313,2315,
                      2319-2321,2340,2349,235,2350,2362,2369,
                       2116,2117,2304-2307,2370,2373,2399
                      SELECT OPER1
                           WHEN 405,400,420,421,417,415,230,221,228,
                                439,652,661,662,681,688,010,013,156,
                                125,372,373,374,301,302,308,320,260,
                                263,268,252,551,552,553,562,535,460,
                                470-472,475,485,502,516,603,713,743,
                                745,741,744,832,849,834,038,416,418,
                                221,228,242,248,251,258,265,357,079,443,
                                521,528,532,536,022,023,030,032,033,034,
                                253,325,432,444,473,474,479,541,600,
                                604,877                             = 67
  TITLE  67 '12YSD2P2'
         'BEN NEOPL OF INTESTIN,NERVES W EXPLR LAPLATMY,OTH MAJOR OPER'
                      OWISE
                           SELECT DX2
                                WHEN 0000,'    '                    = 65
  TITLE 65 '12YSD2P1ND'
         'BEN NEOPL OF INTESTIN, NERVES W EXCISN ORG,OTH MINOR OPER WO DX2'
                           OWISE                                    = 66
  TITLE  66 '12YSD2P1YD'
         'BEN NEOPL OF INTESTIN,NERVES W EXCISN ORG,OTH MINOR OPER W DX2'
                WHEN 2110-2111,2115,2123,2230,2250-2254,2259,
                     2266,2262,2381,2384,2552,2260-2264,2389,2391   = 68
  TITLE  68 '12YSD3'
         'BEN NEOPL OF STOMACH,BRAIN,RESP SYST,PITUITARY GL W OPER'
                OWISE
                     SELECT DX2
                          WHEN 0000,'    '                         = 62
  TITLE  62 '12YSD1ND'
         'BEN NEOPL OF SKIN,BONE,URINARY SYST,CONN TISS W OPER WO DX2'
                      OWISE
                           SELECT AGE
                                WHEN 0-42                           = 63
  TITLE  63 '12YSD1YCA1'
         'BEN NEOPL OF SKIN,BONE,URINRY SYS,CONN TISS W OPER W DX2 OF AGE<43'
                           OWISE                                    = 64
  TITLE  64 '12YSD1YCA2'
         'BEN NEOPL OF SKIN,BONE,URINRY SYS,CONN TISS W OPER W DX2 OF AGE>42'

/*DISEASES OF THYROID AND OTHER ENDOCRINE GLANDS = 13

WHEN 2265,2400-2460,2510-2589,1952
    SELECT OPER1
         WHEN COO,'    '
              SELECT DX1
                   WHEN 2421,2423,2440,2521,2531,
                        2539,2451,2459,2422,244,2539,2440,2559      = 70
  TITLE  70 '13NSD2'
         'THYROTOXICOSIS,MYXEDEMA,PITUITARY HYPOFUNCTN WO OPER'
                   OWISE                                            = 69
  TITLE  69 '13NSD1'
         'GOITER(SIMPL,NONTOXIC),ENDOC DIS(ADRNT,OTH MINOR) WO OPER'
          WHEN 780,012,440,461,468,462,492-499,500,517,381,524,
               527,530,540,151,158,800,830,852,858,850,913,
               915,916,010,017,074,080,125,131,213,222,223,066,
               072,331,341,351,361,261,554,444,445,446,513,647,
               392,711,821,823,891,898,895,904,541,807,851,391,
               398,390,013,076,075,067,077,832,859,320,344,418,463,470,
               535,551                                              = 72
  TITLE  72 '13YSP2'
         'ENDOCRINE DISORDER W HYPOPHYSECTMY,PARATHYROIDECTMY OTH MAJ OPER'
       OWISE                                                        = 71
  TITLE  71 '13YSP1'
```

```
            'ENDOCRINE DISORDER W  MINOR OPER'

/*DIABETES = 14

WHEN 2500-2509
    SELECT OPER1
         WHEN 000,'   '
              SELECT DX2
                   WHEN 0538,0539,0799,1330,1977,201-2010,2049,2423,
                        244-2440,2422
                        2490-2995,3000,3010,
                        3001,3011,3002,3050,3004,3008,3018,
                        3009,3019,3070,
                        3C8-3084,3088-3094,3099,
                        3140,3045,3053,3049,3059,3209,3420,3449,
                        3472-3479,3500,3510,3759,
                        401-4559,4582-4589,462-4620,470,4700,
                        481-4819,485-4850,4860,491-4910,4920,493-4939,
                        5170,5233,5329,5379,
                        5631,5719,574-5759,5769,5770-5779,582,5820,5840,
                        5900,5969,5990,6073,
                        6221,6260,6809,6821,6824,6825,6963,704-7049,
                        7C70-7079,7129,7150,7171,7179,7202,
                        7289,730-7301,7319,
                        8204,8500,9200,9623,9965,
                        0113,0115,0152,0389,0701,0709,0971,0980,
                        3105,3132,3165,3551,3940,3980,
                        3003,3013,3041,3060,3061-3067,3071-3078,3079,
                        3349,3899,486-4860,492-4920,4936,4939,5110-5112,0122,
                        5512,5931,5932,721,7210,7333,7468,7469,5199,
                        7800,5932,7920,7851,7884,9992,070-0700,3840,5900,
                        7687,7880,3460,9731,9779,
                        5199,5710,6869                                    = 75
  TITLE  75 '14NSX2'
            'DIABETES WO OPER W MAJOR DX2'
                   OWISE
                        SELECT AGE
                             WHEN 0-35                                    = 73
  TITLE  73 '14NSX1A1'
            'DIABETES OF AGE<36 WO OPER WO DX2 OR W MINOR DX2'
                             OWISE                                       = 74
  TITLE  74 '14NSX1A2'
            'DIABETES OF AGE>35 WO OPER WO DX2 OR W MINOR DX2'
          WHEN 405,400,411,420,421,417,415,230,221,228,439,070,
               600,609,627,891,898,914,915,081,088,091,113,130,
               135,139,125,209,231,489,501,506,897,622,
               628,670,671,672,682,689,702,703,704,705,706,708,709,
               717,734,733,760,764,765,781,719,756,791,804,849,863,
               404,117,118,128,129,069,090,092,093,403,416,418,
               260,325,329,371,378,556,558,602,608,642,648,617,665,
               720,718,740,739,750,752-754,826,854,399,390,893,923,
               916,842,802,808,810,811,820,853,112,119,124,132-134,143,
               151,153,171,182,563,769                                   = 76
  TITLE  76 '14YSP1'
            'DIABETES W ENDOSCPY,BIPSY,PHOTOCOAGULATICN RETINA,OTH MINOR OPER'
          OWISE                                                          = 77
  TITLE  77 '14YSP2'
            'DIABETES W AMPUTATN EXTREMITY,OTH MAJOR OPER'

/*NUTRITIONAL AND OTHER METABOLIC DISEASES = 15

WHEN 2600-2789,2799
    SELECT DX1
          WHEN 2640,2690,2698,2699,2710,2727,2730,279,2790,2638,268,
               2692,2610,2738                                            = 80
  TITLE  80 '15D2'
            'METABOLIC DIS OF CYSTIC FIBROSIS,SPRUE,STEATORRHEA,OTH & UNSPEC'
          WHEN 2639,2691,2700,2702,2711,2733,2734,2680,
               2754,276,277,2789,2800,2760,2770                          = 81
  TITLE  81 '15D3'
            'METABOLIC DIS,OF UNSPEC OBESITY,AMYLOIDOSIS HEPATOLENTICULAR DEGN'
          OWISE
               SELECT DX2
                    WHEN 0000,'    '                                     = 78
  TITLE  78 '15D1NO'
```

```
            'METABOLIC DIS OF GOUT,GLOBULINOPATHY,XANTHOMATOSIS WO DX2'
                  OWISE                                                    = 79
  TITLE  79 '15D1YD'
            'METABOLIC DIS OF GOUT,GLOBULINOPATHY,XANTHOMATOSIS W DX2'

/*DISEASES OF BLOOD AND BLOOD FORMING ORGANS = 16

WHEN 2800-2890,2894-2899,6346
    SELECT OPER1
          WHEN COO,'   '
               SELECT DX2
                    WHEN 0039,0389,1850,2022,2023,2113,244-2440,
                         2510,2580,2638,2699,2732,
                         274,2759,2819,2840,2869,2871,3020,3043,
                         3053,3049,3059,3959,3980-4389,4409,4439,
                         4630,4610,486,4860,4930,5010,5030,5170,
                         5300,5609,5630,5699,5760,
                         5769,580,5950,5965,5966,7855,6829,7061,
                         7070,7071,7130,7131,2740,5800,7867,4630,5170,
                         9631,9642,9735,9779,9820,9942,4860,4500,
                         9960-9963,2500,3132,3320,4500,
                         2690,463,517,486,4931-4932,4933,4934,
                         4935,4936,5740,5749,5750,5759,5963,5964,
                         6295,7161,7232,7341,7802,7825,7829,0384,
                         7831,7852,9290,2509,4510,5932,5931,450,
                         4530,6954,7857,7920                               = 85
  TITLE  85 '16NSX2'
            'DIS OF BLOOD & BLOOD FORMING ORG WO OPER W MAJOR DX2'
                  OWISE
                       SELECT DX1
                            WHEN 2820-2821,2824,2829,285-2850,
                                 2860-2861,2869,2879,288-2889,
                                 2850,2870,288,4583,2899,
                                 2894,2895,6345
                                 SELECT AGE
                                      WHEN 0-10                            = 82
  TITLE  82 '16NSX1D1A1'
            'MEDITER ANEMIA,HEMOPHILIA OF AGE<11 WO OPER WO DX2 OR MINOR DX2'
                                 OWISE                                     = 83
  TITLE  83 '16NSX1D1A2'
            'MEDITER ANEMIA HEMOPHILIA OF AGE>10 WO OPER WO DX2 OR W MINOR DX2'
                            OWISE                                          = 84
  TITLE  84 '16NSX1D2'
            'HEMOGLOBINOPATHY,THROMBOCYTOPENIA WO OPER WO DX2 OR W MINOR DX2'
          OWISE
             SELECT AGE
                  WHEN 0-1,54-99                                           = 87
  TITLE  87 '16YSA2'
            'DIS OF BLOOD & BLOOD FORMING ORG W OPER OF AGE<1 OR AGE>53'
                  OWISE                                                    = 86
  TITLE  86 '16YSA1'
            'DIS OF BLOOD & BLOOD FORMING ORG W OPER OF AGE 2-53'

/*PSYCHOSES NOT ATTRIBUTED TO PHYSICAL CONDITIONS = 17

WHEN 3060-3099
    SELECT DX1
          WHEN 3062,3063,3066,3070,3080,3088,2090,
               3064,3065,3067,3071-3078,3079,209,
               3089,3090,3092,3094,2099,3099
               SELECT SERV
                    WHEN 6                                                 = 88
  TITLE  88 '17D1S1'
            'SCHIZO(PARANOID,CATATONIC,UNSPEC),INVOL MELANCHOLIA W PSYCH SERV'
                    OWISE                                                  = 89
  TITLE  89 '17D1S2'
            'SCHIZO(PARANOID,CATATONIC,UNSPEC),INVOL MELANCHOLIA WO PSYCH SERV'
          OWISE                                                            = 90
  TITLE  90 '17D2'
            'SCHIZO(AFFECTIVE,ACUTE EPISODE),MANIC-DEPRESSIVE PSYCHOSIS'

/*NEUROSES = 18

WHEN 3100-3129,3193
    SELECT DX1
```

```
            WHEN 3104,3105,3107,311,3110-3119                          = 92
  TITLE  92 '18D2'
            'NEUROSES(OBSESSIVE-COMPULSIVE,DEPRESSIVE),PERSONALITY DISORDERS'
            OWISE                                                      = 91
  TITLE  91 '18D1'
            'NEUROSES(ANXIETY,HYSTERICAL,PHOBIC,HYPOCHONDRIACAL,UNSPEC)'

/*ALCOHOLIC MENTAL DISORDER AND ADDICTION = 19

WHEN 3020-3039,3130-3139
    SELECT DX2
         WHEN 0122,2639,2708,2770,280-2809,2896-2899,3020,
              3069,3079,3090,3093,3105,3117-3119,
              3131,3132,3139,3141,3142,3145-3147,3043,
              3053,3160,3451,3472-3479,3559,410-4109,412-4129,
              430-4389,4650,4821,
              485-4860,491,5170,5190,5192-5194,
              5370,5710,5711,5712,5718,5719,
              5739,5770,5771,5900,6929,7129,7124,7339,
              8124,9180,9975,
              0092,3089,3109,3110-3113,3579,3750,4020,4409,
              4560,8140,277,8346,2699,
              3031,3068,3193,3013,4273,
              4279,465,517,780,402,5195,492,5730,7921,
              4910,7800,4920,
              5749,5759,7123,7125,7902,9290,3035,7851,7857,
               2500,3039,3059,7845,7853,8100,8122,8160,8200,8204,8230    = 94
  TITLE  94 '19X2'
            'ALCOHOLISM W LIVER CIRRHOSIS,DELIRIUM TREMENS OR OTH MAJOR DX2'
         OWISE                                                         = 93
  TITLE  93 '19X1'
            'ALCOHOLISM W/O DX2 OR W MINOR DX2'

/*OTHER MENTAL DISORDERS = 20

WHEN 2900-3019,3040-3059,3140-3189
    SELECT DX1
         WHEN 290-2949,2998,2997,302,3020,3025,3026,
              296,2960,297,2970,2961,2971,2962,
              2972,2963,2973,2965,2979,298,2980,299,2990,2981,2991,
              2982,2992,2983,2993,2984,2994,2985,2995,2989,2999,
              300,301,3000,3010,3001,3011,3002,3004,3008,
              3018,3009,3019,3184,3165,304-3045,3047-3049,305-3059,
              3035-3039,3003,3013,3031,3022,3033,3029,3024               = 96
  TITLE  96 '20D2'
            'PSYCHOSIS, NONPSYCHOSIS RELATED BRAIN CONDITION'
         OWISE                                                         = 95
  TITLE  95 '20D1'
            'DRUG DEPENDENCE, DIS PRESUM PSYCHOGENIC ORIGIN,CEPHALAGIA'

/*DISEASES OF CENTRAL NERVOUS SYSTEM = 21

WHEN 3200-324C,330C-3339,340-3499
    SELECT OPER1
         WHEN 000,'    '
              SELECT DX1
                   WHEN 320-3209,322-3232,3300,3303,3309-3310,3320,
                        340,3400,342-3420,3441-3443,3471,349-3499,
                        3410,3470,3472                                 = 99
  TITLE  99 '21NSD2'
            'MULTIPL SCLEROSIS,PARALYSIS AGITANS,MENINGITIS,HEMIPLEGIA WO OPER'
                   OWISE
                        SELECT DX2
                             WHEN 0000,'    '                          = 97
  TITLE  97 '21NSD1ND'
            'EPILEPSY MIGRAINE,BRAIN DIS(UNSPEC) WO OPER WO DX2'
                             OWISE                                     = 98
  TITLE  98 '21NSD1YD'
            'EPILEPSY,MIGRAINE,BRAIN DIS(UNSPEC) WO OPER W DX2'
          WHEN 440,461,468,462,492-499,500,517,381,524,527,530,
               540,913,917,010,013,017,019,210,212,218,
               220,260,556,558,557,562,613,647,652,651,695,709,823,
               830,834,844,891,898,895,904,903,076,022,023,030,
               031,035,040,571,572,573,840,841,392,892                 = 101
  TITLE 101 '21YSP2'
```

```
            'DIS OF CENTRAL NERVOUS SYST W MAJOR OPER'
          OWISE                                                          = 100
  TITLE 100 '21YSP1'
            'DIS OF CENTRAL NERVOUS SYST W MINOR OPER'

/*DISEASES OF PERIPHERAL NERVOUS SYSTEM = 22

WHEN 350-3580,3589
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 350-3500,351-3510,355-3559,356-3560,357-3573,
                         3574-3579,3580                                  = 102
  TITLE 102 '22NSD1'
            'FACIAL PARALYSIS, NEURALGIA(TRIGEMINAL,OTH,UNSPEC) WO OPER'
                    OWISE                                                = 103
  TITLE 103 '22NSD2'
            'SCIATICA,POLYNEURITIS WO OPER'
          OWISE
               SELECT DX1
                    WHEN 356,3560,357,3572,3589                          = 104
  TITLE 104 '22YSD1'
            'DIS OF MEDIAN NERVE W OPER'
                    OWISE
                         SELECT OPER1
                              WHEN 870-879,049,047,106,113,108,183,
                                   189,190,199,332,334,337,339,343,031,921,
                                   269,267,264,268,243,890,823,837,839,850,
                                   859,851,855,865,891,898,895,904,907,182,
                                   850,869,893,041,040,042,043,045,044,052,
                                   059                                   = 105
  TITLE 105 '22YSD2P1'
            'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MINOR OPER'
                          OWISE                                          = 106
  TITLE 106 '22YSD2P2'
            'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MAJOR OPER'

/*DISEASES OF EYE = 23

WHEN 360-3769
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 362,3620,3630,3639,
                         366-3669,367,3670,3690,3733-3738,3750,
                         3751,376,3770,3771,3775,3786,
                         3760,3774,3776,3779,3788,Y149                   = 108
  TITLE 108 '23NSD2'
            'GLAUCOMA,KERATITIS(ULCERATN),DIS(UVEA,OPTIC NERVE,RETINA) WO OPER'
                    OWISE                                                = 107
  TITLE 107 '23NSD1'
            'STRABISMUS,CATARACT,CHALAZION WO OPER'
          WHEN 381,524,527,530,540,918,911,161,168,163,166,
               167,169,165,153,152,155,156,142,143,148,144,146,
               149,081,088,089,084,093,083,141,122,136,
               092,094,095,096,098,090,104,100,101,
               109,110,111,119,107,115,135,120,123,127,
               186,187,215,219,551,552,553,556,558,557,705,
               739,807,853,855,891,898,895,904,900,205,206,907,
               150,151,158,140,121                                       = 109
  TITLE 109 '23YSP1'
            'DIS OF EYE W MYMECTMY,BLEPHARORRHAPHY,OTH MINOR OPER'
            WHEN 099,128,331,341,351,361,370,371,376,048,160,162,
                 164,091,105,106,113,108,112,114,116,117,118,131,
                 132,133,126,124,125,129,180,201,208,202,721,830,
                 894,800,404,045                                         = 110
  TITLE 110 '23YSP2'
            'DIS OF EYE W EXTRACTN LENS,SCLEROTOMY,SCLERECTMY'
          OWISE                                                          = 111
  TITLE 111 '23YSP3'
            'DIS OF EYE W REATTACHMENT OF RETINA,KERATOPLASTY'

/*DISEASES OF EAR AND MASTOID PROCESS = 24

WHEN 380-3879
```

```
    SELECT OPER1
         WHEN 000,'   '
              SELECT DX1
                   WHEN 380,3800,3830,3840,385,3849,
                        3850,3879,3670                                    = 113
   TITLE 113 '24NSD2'
             'LABYRINTHITIS,MENIERES DIS WO OPER'
                   OWISE                                                  = 112
   TITLE 112 '24NSD1'
             'OTITIS MEDIA,CHRONIC MASTOIDITIS,OTOSCLEROSIS WO OPER'
          WHEN 179,180,185,184,188,209,200,224,229,232,
               233,239,993,895,904,174                                    = 114
   TITLE 114 '24YSP1'
             'DIS OF EAR W MYRINGOTOMY,ADENOIDECTMY OR OTH MINOR OPER'
         WHEN 150,140,100,080,201,208,205,206,210,151,156,800,
              913,915,916,010,013,083,103,110,112,114,113,124,
              170,171,178,172,173,176,182,183,189,190,199,550,
              535,392,175,012,365,446,513,524,527,741,748,016,023,211,
               391,570,652,820                                          = 116
   TITLE 116 '24YSP3'
             'DIS OF EAR W MASTOIDECTMY, EXCISN MIDDLE EAR, OTH MAJOR OPER'
         OWISE                                                          = 115
   TITLE 115 '24YSP2'
             'DIS OF EAR W STAPECTMY,TYMPANOPLASTY'

/*HYPERTENSIVE HEART DISEASES = 25

WHEN 400-4050
    SELECT OPER1
         WHEN 000,'   '
              SELECT DX2
                   WHEN 0389,218-2381,1300,2419,
                        2441-2449,2500-2509,2510,2521,2552,
                        2569,2720,2740,
                        277,2770,280-2809,2824,2825,2859,
                        3081,3105,3420-3500,400-4389,
                        4401-4589,4650,489-4891,4860,4900,
                        491,493-4939,514-5140,5170,5192-5194,
                        5621,5631,7129-7239,7124,
                        734-7349,9959,7920,5194,5799,7382,
                        3420,3581,4860,5170,4920,7910,
                        5851-5990,
                        8479,9701,9735,
                        9779,2539,3132,342,5191,5710,5719,5810,5830,
                        2400-2409,2502,2503,2501,2799,
                        7780-7824,7826-7829,7831,7833-7836,
                        7838-7902,
                        4930-4936,6211,2521,1952,2589,2826,5194,
                        5195,5511,5513,486,7889,7888,7900,7901,
                        7902,517,492,7802,7805,791
                        SELECT DX1
                             WHEN 401,4010                              = 118
   TITLE 118 '25NSX2D1'
             'ESSENTIAL BEN HYPERTENSION WO OPER W MAJOR DX2'
                             OWISE                                      = 119
   TITLE 119 '25NSX2D2'
             'MALIG HYPERTENSN,HYPERTENSIVE DIS(HT,RENAL)WO OPER W MAJOR DX2'
                   OWISE                                                = 117
   TITLE 117 '25NSX1'
             'HYPERTENSIVE HEART DIS WO OPER WO DX2 OR MINOR DX2'
         OWISE                                                          = 120
   TITLE 120 '25YS'
             'HYPERTENSIVE HEART DIS W OPER'

/*ACUTE MYOCARDIAL INFARCTION = 26

WHEN 4100-4109                                                          = 121
   TITLE 121 '26'
             'ACUTE MYOCARDIAL INFARCTION'

/*ISCHEMIC HEART DISEASES EXCEPT A-M-I = 27

WHEN 411-4140
    SELECT OPER1
         WHEN 000,'   '
```

```
            SELECT DX2
                WHEN 0000,'    '                                          = 122
  TITLE 122 '27NSND'
            'ISCHEMIC HEART DIS EXCEPT A-M-I WO OPER WO DX2'
                WHEN 0092,0799,1621,174-1742,2001,2090,244-2440,
                     2459,2500,2531,2559,2699,280-2809,
                     2810,3049,3059,2959,3420,3759,403-4420,
                     450-4519,457-4579,4850,491,514-5149,
                     5310,5610,5711,5712,5718,5830,595,5990,
                     6231,6900,7062,7259,7531,
                     846,8460,
                     9200,9220,9580,9642,9659,9731,9734,9985,
                     1830,1850,1990,2230,2819,2859,2871,
                     3400,3690,3749,3751,3940,3949,3959,3980,4860,6954,
                     7282,8230,209,4510,2893,7826,7840,561,
                     4910,5950,2090,5610,7420,1990,4860,3400,
                     2819,7410,7851,7853,742,7895,7902,7960,
                     7969,9581,199,486,340,2422,2503,7472,
                     4449,4463,4470,4519,4530,4700,4800,
                     4810,4819,4920,5170,5190,5191,5621,6000,
                     7887,7891,7920,7940,8610,8660,8820,8911,
                     9110,9130,9270                                       = 124
  TITLE 124 '27NSYDX2'
            'ISCHEMIC HEART DIS EXCEPT A-M-I WO OPER W MAJOR DX2'
                OWISE                                                    = 123
  TITLE 123 '27NSYDX1'
            'ISCHEMIC HEART DIS EXCEPT A-M-I WO OPER W MINOR DX2'
          WHEN 320                                                       = 125
  TITLE 125 '27YSP1'
            'ISCHEMIC HEART DIS EXCEPT A-M-I W CARDIAC CATHETERIZATION'
          WHEN 125,220,225,332,334,337,339,343,335,345,355,367,
               338,347,357,368,310,312,313,311,314,305,304,995,
               300,261,437,439,551,552,553,535,450,451,
               452,456,461,468,462,470,471,472,513,620,621,652,
               660,392,764,786,804,623,870-879,903,252,260,
               265,315,302,308,331,341,351,361,346,356,
               891,892,022,023,051                                     = 127
  TITLE 127 '27YSP3'
            'ISCHEMIC HEART DIS EXCEPT A-M-I W SHUNT OPER,OTH MAJOR OPER'
          OWISE                                                          = 126
  TITLE 126 '27YSP2'
            'ISCHEMIC HEART DIS EXCEPT A-M-I W ENDSCPY,INSERTN OF ELECTR·DEVICE'

/*ARRYTHMIA ANC SLOWED CONDUCTION = 28

WHEN 3581,4272-4279
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN 731,2050,2419,244-2440,4030,,2500,2521,2740,
                         2759,280-2809,2859,2997,
                         3101,3102,3105,3115,3139,3420,
                         389,3890,3940,3959,3980,403,405,4050-4129,
                         4131-4500,
                         489-4891,470,
                         4700,486,4860,490,514,5192-5194,
                         5199,5270,535,5350,
                         550,5621,5820,
                         5990,7129,
                         274-2740,3064-3067,3899,3892,3891,3890,5513,
                         7579,3881,398-3980,4030,4031,5932,7527,4105,
                         5500,4700,
                         4108,4109,4122,7123,7862,470,492-4920,5932,
                         5931,7125,582-5820,491-4910,486-4860,5195,7520,
                         0092,3059,3080,3099,4510,4810,4829,4840,4850,5110,
                        5112,5140,5170,5631,5710,5730,5749,7071,
                         7820,7960                                       = 129
  TITLE 129 '28NSX2'
            'ARRYTHMIA & SLOWED CONDUCTN WO OPER W MAJOR DX2'
                OWISE                                                    = 128
  TITLE 128 '28NSX1'
            'ARRYTHMIA & SLOWED CONDUCTN WO OPER WO DX2 OR W MINOR DX2'
          WHEN 440,461,468,462,492-499,500,517,043,221,228,320,325,
               329,328,261,439,651,705,856,857,891,893,895,904,907,
               171,178,182,242,248,260,263,268,317,041,
```

```
              047,120,125,201,327,830,832                                    = 130
  TITLE 130 '28YSP1'
              'ARRYTHMIA & SLOWED CONDUCTN W REPLACE HT DEVICE, HT CATHETRIZATN'
          OWISE                                                              = 131
  TITLE 131 '28YSP2'
              'ARRYTHMIA & SLOWED CONDUCTN W INSERTN OF ELECTRIC HT DEVICE'

/*HEART FAILURE = 29

WHEN 4270-4271
    SELECT OPER1
          WHEN 000,'    '                                                    = 132
  TITLE 132 '29NS'
              'HEART FAILURE WO OPER'
          OWISE                                                              = 133
  TITLE 133 '29YS'
              'HEART FAILURE W OPER'

/*CARDITIS, VALVULAR, AND OTHER DISEASES = 30

WHEN 390-3980,420-4260,428-4299
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN 0092,0122,0389,136,1360,174-1742,
                         3581,5350,4650,
                         1970,2520,2859,3132,3169,3049,
                         3059,2959,3919,3940-4009,4032-4389,4400,4419,
                         450,4500,4519,4650,481-4819,486,4860,
                         491,4910,4919,4920,5070,
                         5170,5191,5192-5194,5196-5197,
                         535,5719,5769,
                         7149,7250,7251,
                         8212,9730,9731,9971,9960-9963,
                         3204,3220,4469,4511,4549,4700,4800,4850,
                         4900,4939,5710,5718,5830,5901,
                         7382,Y033,136-1360,465,5932,5931,7466,7467,
                         7802,7825,7826,492-4920,7353,7888,4510,489-4890
                         491-4910,5900,7468,7469,7472,7887,7880,7886,
                         4920,470-4700,480-4800,485-4850,490-4900,
                         Y161,0083,2770,3759,3810,4930,7920,7921,7939,
                         7940,7960                                           = 135
  TITLE 135 '30NSX2'
              'CARDITIS,VALVULAR HEART DIS WO OPER W MAJOR DX2'
                    OWISE                                                    = 134
  TITLE 134 '30NSX1'
              'CARDITIS,VALVULAR HEART DIS WO OPER WO DX2 OR W MINOR DX2'
          WHEN 913,915,051,332,334,337,339,343,370,335,345,367,314,
               320,323,554,641,644,645,636,637,702,705,719,756,791,
               757,792,723,820,849,832,891,898,895,904,894,404,407,409,
               222,682,325,380
                    SELECT DX2
                         WHEN 0092,0122,0389,0799,136,1360,174-1742,
                              1970,2520,277,2770,2859,3132,3169,
                              3049,3059,2959,3919,3940-4389,
                              4400,4419,450,4500,4519,4650,481-4819,
                              486,4860,491,4920,5070,511,
                              514,5170,5191,5192-5194,5196-5197,
                              535,5719,5769,
                              7141,7149,7250,7251,7440,
                              8212,9730,9731,
                              9971,9960-9963,Y033,465,4650,486-4860,
                              5195,7464,7466,7467,492-4920,5070-5079,
                              7802,7825,7826,7853,5112,0122,5932,7887,
                              5110,4910,5140,5350,2041,2440,
                              7880,7886,7888,517-5170,492-4920,5931          = 137
  TITLE 137 '30YSP1X2'
              'CARDITIS,VALVULAR HEART DIS W HT CATHETERIZATN W MAJOR DX2'
                    OWISE                                                    = 136
  TITLE 136 '30YSP1X1'
              'CARDITIS,VALVULAR HEART DIS W HT CATHETRIZATN WO DX2 OR MINOR DX2'
          OWISE                                                              = 138
  TITLE 138 '30YSP2'
              'CARDITIS,VALVULAR HEART DIS W HT VALVE OPER,OTH MAJOR OPER'
```

```
/*CEREBROVASCULAR DISEASES = 31

WHEN 4300-4389
    SELECT OPER1
         WHEN 000,'   '
              SELECT DX1
                   WHEN 435-4351,4310,4320,4381-4384
                        SELECT DX2
                             WHEN 0389,0539,0929,1977,1986,
                                  3420,4910,6010,7100,
                                  2041,2313,2399,244-2440,
                                  2500,2551,2638,280-2809,
                                  2819,2859,2860,2896-2899,
                                  2997,2990,2981,2991,3082,3089,
                                  3105,3043,3053,3056,3049,3059,
                                  322-3221,342,3441,3442,3449,3452,
                                  3454,346-3461,3471,3500,3580,
                                  3759,3940-4129,4166-4389,4400-4409,
                                  4413,4414,442-4429,
                                  4439,4444,4459,4464,4500-4519,
                                  4530,4582,470,4700,
                                  4823,485-4860,491,5039,
                                  5080,5191,5272,5513,5510,5621,
                                  5639,5693,5730,
                                  5969,5990,601,6030,
                                  6230,710,7239,
                                  8010,8202,3540,8819,
                                  8830,9440,9800
                                  4419,4443,+449,5303,5310,350-3500,
                                  2049,6346,450-4500,4510,5512,6263,
                                  721-7210,486-4860,7201,9959,7431,7800,
                                  7815,5932,5931,7817,7840,7841,7844,
                                  7861,7887,7880,7886,7888,7889,7901,
                                  5641,5080,5759,5830,7940,9731,
                                  7902,514-5140,603-6030                    = 140
  TITLE 140 '31NSD1X2'
            'TRANSIENT CEREBRAL ISCHEMIA WO OPER W MAJOR DX2'
                             OTHERWISE                                      = 139
  TITLE 139 '31NSD1X1'
            'TRANSIENT CEREBRAL ISCHEMIA WO OPER WO DX2 OR W MINOR DX2'
                   WHEN 4330,4340,4360,437-4370,4380,4389
                        SELECT DX2
                             WHEN 0389,0539,0929,1538-2381,
                                  2399,244-2440,
                                  6211,6291,2790,7571,0000,3581,6010,7100,
                                  2500-2509,2551,2638,280-2809,
                                  2819,2859,2860,2896-2899,
                                  2997,2990,2981,2991,3082,3089,
                                  3105,3043,3053,3056,3049,3059,
                                  322-3221,342,3441,3442,3449,3452,
                                  3454,346-3461,3472,
                                  3940-4319,4400,4409,
                                  4321-4349,4351-4379,4381-4389,
                                  4413,4414,442-4429,4439,4444,4459,
                                  4464,4500-4519,4530,4582-4589,
                                  4650,470,4700,4323,485-4860,
                                  491-4919,5039,5080,5191,5272,5513,
                                  5621,5639,5693,5730,
                                  595-5950,5969,5990,601,
                                  6030,6230,710,7130,
                                  7239,8010,8202,8540,
                                  8819,8830,9440,9800,
                                  5311,5360,5901,5920,7960,
                                  450-4500,485-4650,470-4700,486-4860,
                                  5932,5931,5512,6263,721-7210,7201,
                                  7239,9959,7341,7800,7815,7817,7840,
                                  7841,7884,7861,7887,7880,7886,7888,
                                  2531,2559,2680,3420,4449,4450,5601,
                                   5641,5999,7801,7802,9681,9731,
                                  7889,7901,7902,5513,5900,794-7940         = 142
  TITLE 142 '31NSD2X2'
            'CEREBRAL THROMBO-EMBOLISM WO OPER W MAJOR DX2'
                             OTHERWISE                                      = 141
  TITLE 141 '31NSD2X1'
            'CEREBRAL THROMBO-EMBOLISM WO OPER WO DX2 OR W MINOR DX2'
```

```
                    OWISE
                         SELECT DX2
                              WHEN 0389,0539,0929,1977,1986,
                                   2041,2313,2399,244-2440,
                                   2500,2551,2638,280-2809,
                                   2819,2859,2860,2896-2899,
                                   2997,2990,2981,2991,3082,3089,
                                   3105,3043,3053,3056,3049,3059,
                                   322-3221,342,3441,3442,3449,
                                   3452,3454,346-3461,
                                   3580,3759,3940-4319,4400-4409,
                                   4321-4349,4351-4379,
                                   4413,4414,442,4439,4444,
                                   4459,4464,4500-4519,4530,4582-4589,
                                   4650,470,4700,4823,485-4860,
                                   491-4919,5039,5080,5191,5272,5513,
                                   5621,5639,5693,5730,
                                   595,5969,5990,601,
                                   6030,6230,710,7130,7239,
                                   8202,8540,8819,8830,9440,9800,8010,
                                   2502,2530,2589,3209,3420,3440,3443,
                                   3451,3459,3559,4443,4540,4541,
                                   4810,4900,5194,5859,5900,5901,5902,
                                   3581,4420,5950,6010,7100,
                                   5966,7282,2049,6349,465-4650,486-4860,
                                   4510,5512,6263,721-7210,7201,9959,7341,
                                   7800,470-4700,7815,7817,7840,7841,7844,
                                   7861,7887,5932,5931,490-4900,5932,7920,
                                   7880,7886,7888,7889,7901,7902,2503,455-4550,
                                   7070,7293,7331,
                                   5964,598-5980,5999,2049,6349                    = 144
   TITLE 144 '31NSD3X2'
             'HEMORRHAGE(CEREBRAL,SUBARACHNOID) WO OPER W MAJOR DX2'
                              OWISE                                               = 143
   TITLE 143 '31NSD3X1'
             'HEMORRHAGE(CEREBRAL,SUBARACHNOID) WO OPER WO DX2 OR W MINOR DX2'
          OWISE                                                                   = 145
   TITLE 145 '31YS'
             'CEREBROVASCULAR DISEASES W OPER'

/* DISEASES OF VASCULAR SYSTEM = 32

WHEN 4400-4431,4438-4480,452-4549,4560-4589,2891-2893
     SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 4409,4410-4418,442-4420,
                         4431,4439,4440,4441,4443,4450-4479,452,4520,
                         453,4530,4540,4541,4560-4561,4581-4589
                         SELECT DX2
                              WHEN 0389,1730,180-1809,2111,2307,
                                   240,2400,2423,250-2509,
                                   2521,2698,2699,2759,277,2770,
                                   280-2809,2859,2869,2997,3082,
                                   3048,3058,3441,3442,3472-
                                   3479,3574-3579,366-3669,3753,
                                   3759,3771,3776,398,3980,
                                   401-4389,4400,4401,4402,4411,
                                   4412,4413,4414,4439,4444,450-
                                   4519,4530,4540-4549,489-4891,
                                   492,4920,513,5130,5192-5194,
                                   5712,5718,5741,5693,5711,582,5820,586-
                                   5970,5990,6824-
                                   6829,6929,6952,6954,7071,7080,
                                   7150,7232,7239,
                                   3099,3100,3105,3132,4459,4463,
                                   7389,9623,4469,5320,7130,2400-
                                   2409,277-2770,2422,486-4860,5195,5513,
                                   3791,3790,721-7210,7201,9959,7861,4510,
                                   3581,5860,5740,5749,5750,5759,
                                   492-4920,7888,7889,5730,5932,597-5970,
                                   2810,2819,2840,5710,5719,7886,7887,7891,7920,
                                   7880,715-7150                                  = 148
   TITLE 148 '32NSD2X2'
             'ARTERIOSCLEROSIS,THRCMBO-EMBO(ARTERY) WO OPER W MAJOR DX2'
```

```
                              OWISE                                          = 147
   TITLE 147 '32NSD2X1'
             'ARTERIOSCLEROSIS,THRCMBO-EMBO(ARTERY) WO OPER DX2 OR W MINOR DX2'
                    OWISE                                                    = 146
   TITLE 146 '32NSD1'
             'LYMPHADENITIS,UNSPEC VARICOSE(LOWER EXT),RAYNOUDS SYND WO OPER'
          OWISE
               SELECT OPER1
                    WHEN 405,400,411,418,420,421,417,415,230,221,
                         228,439,652,663,668,661,662,681,688,151,
                         158,800,922,929,184,209,200,209,211,365,
                         370,371,378,372,374,330,340,350,360,320,
                         261,269,267,264,268,570,571,572,573,556,
                         558,557,491,626,669,666,679,632,691,698,
                         693,702,705,706,708,709,722,720,718,733,
                         735,804,831,842,890,891,909,900,901,902,
                         422,423,428,424,425,421,427,429,420,426,
                         416,665,209,404,407,235,664,668,660,
                         119,125,134,135,171,178,210,234,251,550,
                         665,667,674,411
                         SELECT AGE
                              WHEN 0-50                                      = 149
   TITLE 149 '32YSP1A1'
             'DIS OF VASCULAR SYST W EXCISN VARICOSE,OTH MINOR OPER OF AGE<51'
                              OWISE                                          = 150
   TITLE 150 '32YSP1A2'
             'DIS OF VASCULAR SYST W EXCISN VARICOSE,OTH MINOR OPER OF AGE>50'
                    WHEN 691,698,722,716,717,718,912,918,911,929,
                         010,013,331,341,351,361,335,345,355,367,
                         332,337,339,342,343,344,352,354,362,363,
                         364,334,348,358,330,340,350,360,357,
                         338,347,358,312,313,311,305,304,260,
                         262,252,253,578,544,534,442,443,
                         506,603,604,652,870-879,892,903,076,024,
                         909,840,841,822,823,834                             = 153
   TITLE 153 '32YSP3'
             'DIS OF VASCULAR SYST W RECONSTRUCTN ARTERY,AMPUTATN EXTREMITY'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                               = 151
   TITLE 151 '32YSP2NC'
             'DIS OF VASCULAR SYST W SYMPATHECTMY,EXCISN VESSEL WO DX2'
                              OWISE                                          = 152
   TITLE 152 '32YSP2YC'
             'DIS OF VASCULAR SYST W SYMPATHECTMY,EXCISN VESSEL W DX2'

/*PULMONARY EMBOLISM = 33

WHEN 450-4500
     SELECT DX2
          WHEN 0399,1350,2313,280-2809,2859,402-4389,4510-4519,453-4660,
               4890,5750,5920,5950,3581,
               480-4860,489,4920,493-4939,5191,5192-5194,5693,575,
               592,595,5990,5993-5999,6266,7130,7131,8100,8240,
               2799,492,721-7210,
               5932,5931,5195,7802,7805,7825,277-2770,
                3980,4442,4444,4459,4463,4700,5120,5170,5190,5321,
                5513,5696,5698,5710,7079,7100,7120,7123,7149,7150,
                7845,7857,7861,7880,7893,7901,7920,7921,
               2500-2503                                                     = 155
   TITLE 155 '33X2'
             'PULMONARY EMBOLISM W MAJOR DX2'
          OWISE                                                             = 154
   TITLE 154 '33X1'
             'PULMONARY EMBOLISM WO DX2 OR MINOR DX2'

/*PHLEBITIS AND THROMBOPHLEBITIS = 34

WHEN 4510-4519
     SELECT DX2
          WHEN 0092,0383,0388,0971,
               1538-2022,2080,2114,2201,2376-2399,
               2720,280-2809,2859,3441,
               3530,401-4389,4400,4439,4444,450,4500,4530,
               454-4549,457-4579,4582-4589,4600,4810-5199,5320,
```

```
              5621,5631,5640,5641,5719,5740,5741,5749,5769,
              5820,595,5990,5993-5999,600,6000,222,2220,
              6160,6262,6824,6929,6960,7059,7062,7071,710,
              7100,7130,7131,7179,7316,7317,
              8230,8240,846,8460,9600,
              9964-9966,9985,9976,9978,9988,9989,
              2419,2730,3100,4409,5830,
              5901,5921,5965,7079,7250,7251,
              6211,3581,0122,5950,
              Y030,Y031,Y032,Y033,Y039,Y034,Y114,
              208,535,5350,7123,7125,7129,7826,218-2180,
              5932,7297,7289,7280,7893,244-2440,274-2740,7920,
              2510,5513,5963,7259,279-2790,597-5970,
              7861,1120-1123,1129,7434,2500-2503,
               1350,1530,1532,2959,4459,4470,
              610-6100                                                  = 157
  TITLE 157 '34X2'
            'PHLEBITIS & THROMBOPHLEBITIS W MAJOR DX2'
        OWISE                                                           = 156
  TITLE 156 '34X1'
            'PHLEBITIS & THROMBOPHLEBITIS WO DX2 OR W MINOR DX2'

/*HEMORRHOIDS = 35

WHEN 455-4550                                                           = 158
  TITLE 158 '35'
            'HEMORRHOIDS'

/*HYPERTROPHY OF TONSIL AND ADENOID = 36

WHEN 500-5000                                                           = 159
  TITLE 159 '36'
            'HYPERTROPHY OF TONSIL & ADENOID'

/*ACUTE U-R-I AND INFLUENZA = 37

WHEN 460-4650,470-4700
    SELECT AGE
        WHEN 0-44                                                       = 160
  TITLE 160 '37A1'
            'ACUTE U-R-I & INFLUENZA OF AGE<45'
        OWISE                                                           = 161
  TITLE 161 '37A2'
            'ACUTE U-R-I & INFLUENZA OF AGE >44'

/*OTHER DISEASES OF UPPER RESPIRATORY TRACT = 38

WHEN 501-5089
    SELECT OPER1
        WHEN 000,'    '                                                 = 162
  TITLE 162 '38NS'
            'DIS OF UPPER RESP TRACT EXCEPT ACUTE U-R-I & INFLUENZE WO OPER'
        WHEN 150,140,100,080,179,188,405,400,420,421,415,230,
             439,240,251,258,260,262,301,430,381,524,527,530,540,
             912,190,199,201,208,202,203,209,215,219,221,228,
             229,231,232,233,641,800,411,418,416,404,204,210,
             234,238                                                    = 163
  TITLE 163 '38YSP1'
            'DIS OF UPPER RESP TRACT W BIPSY,ENDOSCPY,SECTN NASAL SEPTUM'
        OWISE                                                           = 164
  TITLE 164 '38YSP2'
            'DIS OF UPPER RESP TRACT W RHINOPLASTY,SINUSOTOMY,PLASTIC OPER NOSE'

/*PNEUMONIA = 39

WHEN 480-4860
    SELECT OPER1
        WHEN 000,'    '
             SELECT AGE
                  WHEN 0-30                                             = 165
  TITLE 165 '39NSA1'
            'PNEUMONIA OF AGE<31'
                  OWISE
                       SELECT DX2
                            WHEN 0000,'     '                           = 166
```

```
   TITLE 166 '39NSA2ND'
             'PNEUMONIA OF AGE>30 WO DX2 WO OPER'
                    OWISE                                                = 167
   TITLE 167 '39NSA2YD'
             'PNEUMONIA OF AGE>30 W DX2 WO OPER'
          OWISE                                                          = 168
   TITLE 168 '39YS'
             'PNEUMONIA W OPER'

/*BRONCHITIS = 40

WHEN 489-491C
     SELECT AGE
          WHEN 0-45                                                      = 169
   TITLE 169 '40A1'
             'BRONCHITIS OF AGE<46'
          OWISE
               SELECT DX2
                    WHEN 0190,0399,1179,240-2400,2420,244-2440,2501,2770,
                         2810,2812,2859,2894,3105,3400,3420,3441,3600,
                         3819,3949,4100-4389,4400,4500,455-4550,4580,
                         4582-4589,4619,4620,4650,470-4700,481-4899,
                         490,4900,492-4920,493-4939,5021,5030,5082,5084,
                         514-5140,5170,5191,5192-5194,5210,5292,5329,5621,
                         5698,5693,5710,5739,5750,5771,600-6000,222-2220,
                         6820,710-7100,7129,7130,7131,7228,7229,7781,
                         8070,8509,9674-9679,9731,9976,9983,9989,1490-
                         2390,0092,2500,3050,3053,3059,3082,3089,3100,
                         3431,3471,3496,3551,4409,4413,4800,5110,
                         5310,5320,5330,5331,5770,Y115,2409,277-2770,
                         340-3400,360-3600,486-4860,492-4920,535-5350,
                         2502,2583,4930-4936,5194,5195,5513,5730,5739,
                         7921,7123,7125,7302,7803,7339,7821,7830,7886,Y895,
                         7889,7901,7960,7969,7862,070,491-4910,0122,
                         3581,0700,6211,6291,7571,6000,7434,
                         5112,512-5120,5151,5152,462-4620,465-4650,517-
                         5170,7294,7239,7832,7838,480-4800,5740,5749,5750,
                          2740,2809,2840,2850,4939,5180,5190,5199,5950,
                          5962,5966,5999,6010,6230,7150,7331,7341,7349,
                         7350,7352,
                         5759,5932,7920                                  = 171
   TITLE 171 '40A2X2'
             'BRONCHITIS OF AGE>45 W MAJOR DX2'
                    OWISE                                                = 170
   TITLE 170 '40A2X1'
             'BRONCHTIS OF AGE>45 WO DX2 OR W MINOR DX2'

/*ASTHMA = 41

WHEN 4930-4939
     SELECT AGE
          WHEN 0-30                                                      = 172
   TITLE 172 '41A1'
             'ASTHMA OF AGE<31'
          OWISE
               SELECT DX2
                    WHEN 0000,'    '                                    = 173
   TITLE 173 '41A2ND'
             'ASTHMA OF AGE>30 WO DX2'
                    OWISE                                                = 174
   TITLE 174 '41A2YD'
             'ASTHMA OF AGE>30 W DX2'

/*OTHER LUNG AND PLEURAL DISEASES = 42

WHEN 492-4920,510-5199
     SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 5110,512-5120,514-5140,494-4940,5199,4950,
                         5190,495-4950,518-5180,5160,5111,
                         5169,5195                                       = 175
   TITLE 175 '42NSD1'
             'PNEUMOTHORAX,PLEURISY,PUL CONGESTN WO OPER'
                    OWISE
```

```
                        SELECT DX2
                             WHEN 0113,0190,0389,
                                  1989,199,1990,208,2080,2381,244-2440,
                                  2510,2690,277-2770,2819,2859,2890,
                                  3132,3140,3049,3059,3441,3452,3559,
                                  3959-4109,4021,4162-4389,4439,4459,4500,
                                  4620,4650,470-4700,481-4860,4900,491-4910,
                                  4939,514-5140,517-5170,5192-5194,5199,
                                  5302,5630,5769,5910,595-5950,6822,7070,
                                  7124,7131,7150,7230,7319,8052,8070,8641,
                                  9600,9605,9731,0330,0382,0383,2500,
                                  2580,2740,2751,2759,2760,3082,4460,
                                  5191,4920,5601,5621,486-4860,490-4900,
                                  518-5180,5194,5195,492-4920,591-5910,
                                  7832,7838,7867,7880,7886,5152,
                                  7333,7341,7801,7841,7882,791-7910,
                                  7960,7969,2503,4510,5621,5739,5194,
                                  1519-1983,2303,2313,2373,2386,3099,
                                  3169,3420,5820,5901,5932,5990,6809,
                                  6954,8053,8054,8058,
                                  715-7150                                    = 177
  TITLE 177 '42NSD2X2'
            'EMPHYSEMA,EMPYEMA,ABSCESS,ACUTE EDEMA WO OPER W MAJOR DX2'
                             OWISE                                            = 176
  TITLE 176 '42NSD2X1'
            'EMPHYSEMA,EMPYEMA,ABSCESS, EDEMA WO OPER WO DX2 OR W MINOR DX2'
           WHEN 240,262,440,461,468,462,492-499,500,517,381,524,527,530,
                540,912,913,915,917,153,171,178,172,229,232,371,
                378,320,324,068,362,260,256,554,651,391,398,802,808,803,
                805,831,894,205,206,165,231,245,261,370,501,508,502,
                096,124,125,188,209,891,
                512,518,682,652,853,851,929,061
                SELECT DX2
                     WHEN 0000,'    '                                        = 178
  TITLE 178 '42YSP1NC'
            'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACTMY,OTH MINOR OPER WO DX2'
                     OWISE                                                   = 179
  TITLE 179 '42YSP1YC'
            'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACOTMY,OTH MINOR OPER W DX2'
           OWISE                                                             = 180
  TITLE 180 '42YSP2'
            'DIS OF LUNG & PLEURA W LOBECTOMY,OTH MAJOR OPER'

/*DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS = 43

WHEN 5200-5207,5209-5269
    SELECT DX1
           WHEN 520-5215                                                     = 181
  TITLE 181 '43D1'
            'MINOR PROBLEMS OF TEETH'
           OWISE                                                             = 182
  TITLE 182 '43D2'
            'MAJOR PROBLEMS OF TEETH,DIS(JAW,SALIVARY GLD,OTH ORAL SOFT TISSUE)'

/*GASTRIC AND PEPTIC ULCER = 44

WHEN 5310-5343
    SELECT OPER1
           WHEN 000,'    '
                SELECT DX2
                     WHEN 0000,'    '                                        = 183
  TITLE 183 '44NSND'
            'GASTRIC & PEPTIC ULCER WO OPER WO DX2'
                     OWISE                                                   = 184
  TITLE 184 '44NSYD'
            'GASTRIC & PEPTIC ULCER WO OPER W DX2'
           WHEN 048,045,151,153,332,337,339,342,343,344,352,354,362,363,
                364,551,340,552,553,382,388,440,450,451,442,443,444,
                445,453,456,454,841,051,452,463,479,480,508,605,
                652,689,764,766,243,432,446,455,460,331,349,355,535
                SELECT DX2
                     WHEN 0000,'    '                                        = 186
  TITLE 186 '44YSP2ND'
            'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,OTH MAJOR OPER WO DX2'
                     OWISE                                                   = 187
```

```
  TITLE 187 '44YSP2YD'
            'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,OTH MAJOR OPER W DX2'
         OWISE                                                              = 185
  TITLE 185 '44YSP1'
            'GASTRIC & PEPTIC ULCER W BIPSY,ENDOSCPY,ENTRORRHAPHY,OTH MINOR OP'

/*UPPER G-I DISEASES EXCEPT GASTRIC AND PEPTIC ULCER = 45

WHEN 5270-5309,535-5379
    SELECT OPER1
         WHEN 000,'    '
              SELECT DX2
                   WHEN 0000,'    '                                          = 188
  TITLE 188 '45NSND'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER WO DX2'
                   OWISE                                                    = 189
  TITLE 189 '45NSYD'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER W DX2'
         WHEN 440,461,468,462,492-499,500,517,151,158,800,912,914,
              915,918,911,236,238,063,320,434,439,441,455,719,756,
              791,757,792,851,890,891,909,898,895,904,039,101,108,
              171,178,210,221,228,491,515,576,682,852,858,850,916,
              570,571,572,573,237,239,096,125,128,186,202,205,206,211,
               215,220,229,400-429,438,448,452,733,807,624,
               901,906,903,910,913
              SELECT DX2
                   WHEN 0000,'    '                                        = 190
  TITLE 190 '45YSP1ND'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,OTH MINOR OPER WO DX2'
                   OWISE                                                    = 191
  TITLE 191 '45YSP1YD'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,OTH MINOR OPER W DX2'
         OWISE                                                              = 192
  TITLE 192 '45YSP2'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER W MAJOR OPER'

/*APPENDICITIS = 46

WHEN 5400-5430
    SELECT DX1
         WHEN 5401,542-5430
              SELECT DX2
                   WHEN 0000,'    '                                        = 195
  TITLE 195 '46D2ND'
            'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) WO DX2'
                   OWISE                                                    = 196
  TITLE 196 '46D2YD'
            'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) W DX2'
         OWISE
              SELECT DX2
                   WHEN 0000,'    '                                        = 193
  TITLE 193 '46D1ND'
            'APPENDICITIS(WITHOUT PERITONITIS) WO DX2'
                   OWISE                                                    = 194
  TITLE 194 '46D1YD'
            'APPENDICITIS(WITHOUT PERITONITIS) W DX2'

/*HERNIA OF ABDOMINAL CAVITY = 47

WHEN 550-5539
    SELECT AGE
         WHEN 0-14                                                          = 197
  TITLE 197 '47A1'
            'ABD HERNIA OF AGE<15'
         WHEN 15-64
              SELECT DX1
                   WHEN 550-5500,5511
                        SELECT DX2
                             WHEN 0000,'    '                               = 198
  TITLE 198 '47A2D1ND'
            'INGUINAL HERNIA(WO OBSTRUCTN) OF 14<AGE<65 WO DX2'
                             OWISE                                          = 199
  TITLE 199 '47A2D1YD'
            'INGUINAL HERNIA (WO OBSTRUCTN) OF 14<AGE<65 W DX2'
                   OWISE
```

```
                        SELECT OPER1
                             WHEN 000,'    '                                  = 200
   TITLE 200 '47A2D2NS'
             'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65 WO OPER'
                             WHEN 440,461,468,462,492-499,500,517,
                                  913,914,913,911,439,576,556,558,
                                  557,569,661,662,705,431,438,442,
                                  448,461,468,501,508,719,756,791,
                                  915,916,917,570,571,572,573,575               = 201
   TITLE 201 '47A2D2YSP1'
             'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65 W MINOR REPAIR OPER'
                             OWISE                                              = 202
   TITLE 202 '47A2D2YSP2'
             'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65 W MAJOR REPAIR OPER'
          OWISE
               SELECT OPER1
                    WHEN 000,'    '                                           = 203
   TITLE 203 '47A3NS'
             'ABD HERNIA OF AGE>64 WO OPER'
                    WHEN 240,251,258,260,262,301,430,663,668,661,
                         662,681,688,913,914,915,439,550,556,558,557,
                         561,461,468,462,513,734,733,735,332,334,337,
                         346,347,356,368,365,339,342,343,344,352,354,
                         362,363,364,576,664,737,802,808,570,571,572,
                         047,530,532,658,665,711,891,893,
                         573                                                    = 204
   TITLE 204 '47A3YSP1'
             'ABD HERNIA OF AGE>64 W MINOR REPAIR OPER'
                    OWISE                                                       = 205
   TITLE 205 '47A3YSP2'
             'ABD HERNIA OF AGE>64 W MAJOR REPAIR OPER'

/*ENTRITIS, DIVERTICULA, AND FUNCTIONAL DISORDER OF INTESTINE = 48

WHEN 561-5649
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX1
                    WHEN 5621,5630-5631,5639,5620,5639                          = 207
   TITLE 207 '48NSD2'
             'INTESTINL DIVERTICULA,REGIONL ENTERITIS,ULCERATIVE COLITIS WO OPER'
                    OWISE                                                       = 206
   TITLE 206 '48NSD1'
             'FUNCTNAL DISORDER OF INTESTINE WO OPER'
          WHEN 331,341,351,361,370,371,378,151,158,800,332,334,343,
               344,343,353,354,366,550,551,552,553,557,558,562,442,
               448,443,453,460,461,462,464,465,463,470-472,473,
               475,481,482,503,501,508,502,600,609,624,625,647,652,
               391,398,730,891,895,904,330,340,350,360,337,338,345,
               347,355,357,368,431,438,450,446,521,528,535,834                  = 210
   TITLE 210 '48YSP2'
             'INTESTIN(DIVERTICULA,FUNCTNL DISORDER) W RESECTN,OTH MAJOR OPER'
          OWISE
               SELECT DX2
                    WHEN 0000,'    '                                           = 208
   TITLE 208 '48YSP1ND'
             'INTESTIN(DIVERTICULA,FUNCTNL DISORDER) W MINOR OPER WO DX2'
                    OWISE                                                       = 209
   TITLE 209 '48YSP1YD'
             'INTESTIN(DIVERTICULA,FUNCTNL DISORDER) W MINOR OPER W DX2'

/*DISEASES OF ANUS = 49

WHEN 5650-5660,685-6850
    SELECT DX2
          WHEN 0000,'    '                                                     = 211
   TITLE 211 '49ND'
             'DIS OF ANUS WO DX2'
          OWISE                                                                 = 212
   TITLE 212 '49YD'
             'DIS OF ANUS W DX2'

/*MISCELLANEOUS DISEASES OF INTESTINE AND PERITONEUM = 50

WHEN 560-5609,567-5699
```

```
    SELECT OPER1
         WHEN 000,'    '
              SELECT AGE
                   WHEN 0-55                                                    = 213
   TITLE 213 '50NSA1'
              'MISC DIS OF INTESTIN & PERITONEUM OF AGE<56 WO OPER'
                   OWISE
                        SELECT DX2
                             WHEN 0000,'     '                                  = 214
   TITLE 214 '50NSA2ND'
              'MISC DIS OF INTESTIN & PERITONEUM OF AGE>55 WO OPER WO DX2'
                             OWISE                                              = 215
   TITLE 215 '50NSA2YD'
              'MISC DIS OF INTESTIN & PERITONEUM OF AGE>55 WO OPER W DX2'
          WHEN 922,929,330,340,350,360,335,367,506,501,
               508,505,510,512,518,513,511,515,516,669,666,679,691,
               698,706,708,709,719,756,791,757,792,732,758,859,894,
               404,500,622,555,769,923,682                                      = 216
   TITLE 216 '50YSP1'
              'MISC DIS OF INTESTIN & PERITONEUM W LOCAL INCISN,EXCISN'
          WHEN 070,600,609,151,153,800,830,852,858,850,357,337,338,
               345,347,355,368,553,579,551,552,553,562,491,530,
               534,535,440,441,455,442,448,443,446,460,464,465,463,
               470-472,473,474,475,479,482,483,484,502,504,620,621,
               629,627,628,647,652,834,890,891,909,895,904,450,
               453,261,349,354,380,
               570-573
               SELECT DX2
                    WHEN 0000,'     '                                           = 219
   TITLE 219 '50YSP3ND'
              'MISC DIS OF INTESTIN & PERITONEUM W MAJOR OPER WO DX2'
                    OWISE                                                       = 220
   TITLE 220 '50YSP3YD'
              'MISC DIS OF INTESTIN & PERITONEUM W MAJOR OPER W DX2'
          OWISE
               SELECT DX2
                    WHEN 0000,'     '                                           = 217
   TITLE 217 '50YSP2ND'
              'MISC DIS OF INTESTIN & PERITONEUM W ENDOSCOPY OF INTESTINE WO DX2'
                    OWISE                                                       = 218
   TITLE 218 '50YSP2YD'
              'MISC DIS OF INTESN & PERITONEUM W ENDOSCOPY OF INTESTINE W DX2'

/*DISEASES OF LIVER = 51

WHEN 070-0700,9992,570-5739,7921
    SELECT DX1
         WHEN 070-0700,570-5700,5730,9992
              SELECT AGE
                   WHEN 0-40                                                    = 221
   TITLE 221 '51D1A1'
              'HEPATITIS(INFECTIOUS,SERUM),SUBACUTE NECROSIS OF LIVER OF AGE<41'
                   OWISE                                                        = 222
   TITLE 222 '51D1A2'
              'HEPATITIS(INFECTIOUS,SERUM),SUBACUTE NECROSIS OF LIVER OF AGE>40'
          OWISE
               SELECT DX2
                    WHEN 0383,0388,0[illegible]9,0700-0709,174-1742,1850,2500,
                         2639,2732,280-2809,2810,2812,2819,
                         2859,2895,3100,3132,3043,3053,3049,3059,
                         3959,403-4030,405-4050,4120,4290,4299,
                         436-4361,437-4370,4560-4561,4569,
                         486-4800,5170,5680,5698,5693,5700-5730,
                         5[illegible]2250,5770,584-5840,5901,5990,
                         6951,7526,79[illegible]9,8540,9995,9992,4030,
                         4031,4122-4129.[illegible]61,7762,465-4650,5932,
                         7920,423-4230,455[illegible]4550,517-5170,5730,7921,
                         7769,568-5680,7852,7853,7887,7880,7887,
                         7886,570-5700,5750,7287,7289,
                         4249,4270,4274,4583,4920,5301,5310,
                         5311,5312,5320,5740,5749,5759,5761,5769,
                         7130,7150.7250,7857                                    = 224
   TITLE 224 '51D2X2'
              'LIVER CIRRHOSIS W MAJOR DX2'
                         OWISE                                                  = 223
```

```
  TITLE 223 '51D2X1'
            'LIVER CIRRHOSIS WO DX2 OR W MINOR DX2'

/*DISEASES OF GALL BLADDER AND BILE DUCT = 52

WHEN 574-5769
    SELECT OPER1
         WHEN 000,'   '
              SELECT AGE
                   WHEN 0-50                                                  = 225
  TITLE 225 '52NSA1'
            'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE<51'
                   OWISE                                                      = 226
  TITLE 226 '52NSA2'
            'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE>50'
         OWISE
              SELECT DX2
                   WHEN 0000,'    '                                          = 227
  TITLE 227 '52YSND'
            'DIS OF GALL BLADDER & BILE DUCT W OPER WO DX2'
                   OWISE
                        SELECT AGE
                             WHEN 0-64                                        = 228
  TITLE 228 '52YSYDA1'
            'DIS OF GALL BLADDER & BILE DUCT W OPER W DX2 OF AGE<65'
                             OWISE                                          = 229
  TITLE 229 '52YSYDA2'
            'DIS OF GALL BLADDER & BILE DUCT W OPER W DX2 OF AGE>64' '

/*DISEASES OF PANCREAS = 53

WHEN 5770-5779
    SELECT OPER1
         WHEN 000,'   '                                                       = 230
  TITLE 230 '53NS'
            'DIS OF PANCREAS WO OPER'
         OWISE                                                              = 231
  TITLE 231 '53YS'
            'DIS OF PANCREAS W OPER'

/*DISEASES OF KIDNEY AND URETER = 54

WHEN 580-5910,593-5935,7920
    SELECT OPER1
         WHEN 000,'   '
              SELECT DX2
                   WHEN 0000,'    '                                          = 232
  TITLE 232 '54NSND'
            'DIS OF KIDNEY & BLADDER WO OPER WO DX2'
                   OWISE
                        SELECT DX1
                             WHEN 583,5830,584,5840,5901,593,5930,
                                  5934,5935                                 = 233
  TITLE 233 '54NSYDD1'
            'NEPHRITIS(UNQUALIFIED),PYELONEPHRITIS(OTH) WO OPER W DX2'
                             OWISE
                                  SELECT AGE
                                       WHEN 0-64                            = 234
  TITLE 234 '54NSYDD2A1'
            'NEPHR SYND, NEPHRITIS(CHR),UREMIA WO OPER W DX2 OF AGE<65'
                                  OWISE                                     = 235
  TITLE 235 '54NSYDD2A2'
            'NEPHROTIC SYND,NEPHRITIS(CHR),UREMIA WO OPER W DX2 OF AGE>64'
          WHEN 070,600,609,627,628,620,691,698,722,716,717,718,331,
               341,351,361,370,371,378,914,915,916,918,911,125,335,345,
               355,367,332,334,343,344,348,353,354,366,337,346,347,
               356,368,357,338,358,327,569,461,468,462,
               506,501,506,606,617,619,618,624,626,641,
               642,648,644,645,636,637,647,649,660,664,391,398,702,
               705,719,756,791,757,792,781,890,891,709,898,895,
               904,903,066,068,209,491,629,720,711,729,733,735,
               024,186,352,360,404,510,515,570
               SELECT DX1
                    WHEN 583,5830,584,5840,5901,593,5930,
                         5934,5935,5932,5933                                = 236
```

```
  TITLE 236 '54YSP1D1'
            'DIS OF URETER,NEPHROTIC SYND W CYSTSCPY,BIPSY,OTH MINOR OPER'
                  OWISE                                                    = 237
  TITLE 237 '54YSP1D2'
            'NEPHRITIS,NEPHROSIS,PYELITIS W CYSTSCPY,BIPSY,OTH MINOR OPER'
          OWISE                                                            = 238
  TITLE 238 '54YSP2'
            'DIS OF KIDNEY & URETER W NEPHRECTMY,KID TRANSPLANT,OTH MAJOR OPER'

/*URINARY CALCULUS = 55

WHEN 5920-5921,5940-5949
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN 0000,'     '                                      = 239
  TITLE 239 '55NSND'
            'URINARY CALCULUS WO OPER WO DX2'
                  OWISE                                                    = 240
  TITLE 240 '55NSYD'
            'URINARY CALCULUS WO OPER W DX2'
          WHEN 151,158,800,914,513,600,609,601,602,608,604,
               605,610,616,618,620,621,623,628,624,625,603,632-635,
               640,652,655,654,653,675,666,669,679,337,338,345,347,
               355,357,368,470-472,489,551,552,553,613,017,535,622,651     = 242
  TITLE 242 '55YSP2'
            'URINARY CALCULUS W NEPHROTMY,CYSTOTMY,URETEROTMY,OTH MAJOR OPER'
          OWISE                                                            = 241
  TITLE 241 '55YSP1'
            'URINARY CALCULUS W CYSTSCPY,CATHETER TO KIDNEY,OTH MINOR OPER'

/*CYSTITIS AND OTHER URINARY DISEASES = 56

WHEN 595-5999
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN 0000,'     '                                      = 243
  TITLE 243 '56NSND'
            'CYSTITIS & OTH URINARY DIS WO OPER WO DX2'
                  OWISE
                       SELECT DX1
                            WHEN 595-5950,5962,597,5970,598,5980,
                                 5964,5965,5992                            = 244
  TITLE 244 '56NSYDD1'
            'CYSTITIS,URETHRITIS,STRICTURE URETHRA WO OPER W DX2'
                            OWISE
                                 SELECT AGE
                                      WHEN 0-45                            = 245
  TITLE 245 '56NSYDD2A1'
            'BLADDER(FISTULA,DIVERTICULA,OTH DIS) WO OPER W DX2 OF AGE<46'
                                      OWISE                                = 246
  TITLE 246 '56NSYDD2A2'
            'BLADDER(FISTULA DIVERTICULA,OTH DIS) WO OPER W DX2 OF AGE>45'
          WHEN 391,232,912,641,732,746,998,892                             = 247
  TITLE 247 '56YSP1'
            'DIS OF BLADDER & URETHRA W MEATOMY'
          WHEN 915,236,335,345,355,367,551,552,553,353,446,505,510,
               601,603,605,613,614,615,616,618,620,621,624,625,631,
               630,632,635,650,652,665,705,731,738,734,733,735,
                380,474,475,484-486,535,634,637,645,651,653,655,711,
                713,823,841,849,878,031                                    = 250
  TITLE 250 '56YSP3'
            'DIS OF BLADDER & URETHRA W CYSTECTMY,PROSTECTMY,OTH MAJOR OPER'
          OWISE
               SELECT AGE
                    WHEN 0-14                                              = 248
  TITLE 248 '56YSP2A1'
            'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,DIL,REPAIR OF AGE<15'
                  OWISE                                                    = 249
  TITLE 249 '56YSP2A2'
            'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,DIL,REPAIR OF AGE>14'

/*DISEASES OF PROSTATE = 57
```

```
WHEN 600-6029
    SELECT OPER1
        WHEN 000,'    '                                                    = 251
  TITLE 251 '57NS'
            'DIS OF PROSTATE WO OPER'
        WHEN 440,461,468,462,492-499,500,517,619,649,661,
             662,681,688,916,617,622,628,640,641,642,648,644,645,
             636,637,609,629,647,650,663,668,664,682,674,
              120,171,261,320,508,516,527,552,658,659
             SELECT DX2
                 WHEN 0000,'    '                                          = 252
  TITLE 252 '57YSP1ND'
            'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY WO DX2'
                 OWISE                                                     = 253
  TITLE 253 '57YSP1YD'
            'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY W DX2'
        WHEN 331,341,351,361,370,371,378,222,223,535,615,623,
             624,625,630,632-635,627,651,670,
             653,654,804,834,
             672,839,843,655,570,571,572,573                             = 256
  TITLE 256 '57YSP3'
            'DIS OF PROSTATE W SUPRAPUBIC PROSTECTOMY'
        OWISE
             SELECT DX2
                 WHEN 0000,'    '                                          = 254
  TITLE 254 '57YSP2ND'
            'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY WO DX2'
                 OWISE                                                     = 255
  TITLE 255 '57YSP2YD'
            'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY W DX2'

/*DISEASES OF MALE GENITAL ORGANS = 58

WHEN 603-6050,6070-6079
    SELECT DX1
        WHEN 605,6050,6073                                                 = 257
  TITLE 257 '58D1'
            'REDUNDANT PREPUCE & PHIMOSIS'
        OWISE
             SELECT OPER1
                 WHEN 000,'    '                                          = 258
  TITLE 258 '58D2NS'
            'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS WO OPER'
                 OWISE
                     SELECT AGE
                         WHEN 0-44                                         = 259
  TITLE 259 '58D2YSA1'
            'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS W OPER OF AGE<45'
                         OWISE                                             = 260
  TITLE 260 '58D2YSA2'
            'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS W OPER OF AGE>44'

/*DISEASES OF FEMALE GENITAL ORGANS = 59

WHEN 612-6210,6212-6270,6290,6292,6294,6296-6299
    SELECT OPER1
        WHEN 000'    '
             SELECT DX1
                 WHEN 626-6268,6269                                        = 261
  TITLE 261 '59NSD1'
            'DISORDER OF MENSTRUATION WO OPER'
                 OWISE
                     SELECT DX2
                         WHEN 0000,'    '                                  = 262
  TITLE 262 '59NSD2ND'
            'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF MENSTRUATION WO DX2'
                         OWISE                                             = 263
  TITLE 263 '59NSD2YD'
            'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF MENSTRUATION W DX2'
        WHEN 381,524,527,530,540,917,922,,929,924,226,227,569,
             705,707,706,708,709,716,718,722,720,719,757,
             792,723,724,728,729,731,738,555,740,742,
             741,748,756,791,870-879,691,898,895,893,030,
              153,261,739,923
             SELECT DX2
```

```
                    WHEN 0000,'    '                                    = 264
  TITLE 264 '59YSP1ND'
            'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,SALPHINGECTMY WO DX2'
                    OWISE                                               = 265
  TITLE 265 '59YSP1YD'
            'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,OTH MINOR OPER W DX2'
          OWISE                                                         = 266
  TITLE 266 '59YSP2'
            'DIS OF FEMALE GEN ORG W HISTERECTMY,REPAIR FEMALE GEN ORG,MAJ OPER'

/*DISEASES OF BREAST = 60

WHEN 217-2170,610-6119
    SELECT DX2
          WHEN 0000,'    '
               SELECT DX1
                    WHEN 217-2179,610-6100                              = 267
  TITLE 267 '60NDD1'
            'BEN NEOPL,CHR CYSTIC DIS OF BREAST WO DX2'
                    OWISE                                               = 268
  TITLE 268 '60NDD2'
            'ACUTE MASTITIS,HYPERTROPHY   OF BREAST WO DX2'
          OWISE
               SELECT AGE
                    WHEN 0-55                                           = 269
  TITLE 269 '60YDA1'
            'DIS OF BREAST W DX2 OF AGE<56'
                    OWISE                                               = 270
  TITLE 270 '60YDA2'
            'DIS OF BREAST W DX2 OF AGE>55'

/*ABORTION = 61

WHEN 640-6439,646-6460
    SELECT DX2
          WHEN 0000,'    '                                            = 271
  TITLE 271 '61ND'
            'ABORTION WO DX2'
          OWISE                                                         = 272
  TITLE 272 '61YD'
            'ABORTION W DX2'

/*OBSTETRICAL DISEASES OF ANTEPARTUM AND PUERPERIUM = 62

WHEN 6300-6329,6340-6345,6347-6359,637-6399,670-6780
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 6348                                           = 273
  TITLE 273 '62NSD1'
            'FALSE LABOR WO OPER'
                    WHEN 6313-6318,6352-6356,6358,6359,6380,6780,
                         6379,670-6700,6772,6351,6357,6779,
                         6370-6372,6393,6394,6373-6375,638-6380,
                         6399,678-6780                                  = 275
  TITLE 275 '62NSD3'
            'TOXEMIA,HYPEREMESIS GRAVIDARUM,THROMBOPHLEBITIS(PUERPERAL)WO OPER'
                    OWISE                                               = 274
  TITLE 274 '62NSD2'
            'THREATENED ABORTION,PLACENTA PREVIA,OTH HEMORR PREGNANCY WO OPER'
          WHEN 916,922,929,399,397,757,792,721,723,555,739,740,
               750,758,998,760,764,766,769,719,756,791,794,705          = 276
  TITLE 276 '62YSP1'
            'OBST DIS OF ANTEPARTUM & POST PARTUM W D&C REPAIR INT CERVICAL OS'
          OWISE                                                         = 277
  TITLE 277 '62YSP2'
            'OBST DIS OF ANTEPARTUM & POST PARTUM W SAL-OOPHRECTMY,OTH MAJ OPER'

/*NORMAL DELIVERY = 63

WHEN 650-6500
    SELECT OPER1
          WHEN 701,702,705,710,711,713,717,553,730,923                  = 279
  TITLE 279 '63P2'
            'DELIVERY W LIGATION OF FALLOPIAN TUBE,SALPINGECTOMY'
```

```
        WHEN 755,780-789                                                    = 280
  TITLE 280 '63P3'
            'DELIVERY W C-SECTION'
        OWISE                                                               = 278
  TITLE 278 '63P1'
            'DELIVERY WO OPER OR W OPER ASSISTING DELIVERY'

/*DELIVERY WITH COMPLICATION = 64

WHEN 6510-6619
    SELECT OPER1
        WHEN 755,780-789                                                    = 282
  TITLE 282 '64P2'
            'DELIVERY WITH COMPLICATION W C-SECTION'
        OWISE                                                               = 281
  TITLE 281 '64P1'
            'DELIVERY WITH COMPLICATION WO OPER OR W OPER ASSISTING DELIVERY'

/* DISEASES OF SKIN AND SUBCUTANEOUS TISSUE = 65

WHEN 680-6840,6860-6869,690-7099
    SELECT DX1
        WHEN 680-6805,683-6840,6862-6869,690-6900,6928,6950,6953,
             6962,6963,6983,700-7069,035,7092-7099,681-6810,708-7080
             SELECT DX2
                 WHEN 0000,'    '                                          = 283
  TITLE 283 '65D1ND'
            'KELOID,CICATRIX,SEBACEOUS CYST, OTH MINOR SKIN DIS WO DX2'
                 OWISE                                                     = 284
  TITLE 284 '65D1YD'
            'KELOID,CICATRIX,SEBACEOUS CYST,OTH MINOR SKIN DIS W DX2'
        WHEN 6927,694-6940,696-6961,6964,7070-7071                         = 289
  TITLE 289 '65D3'
            'PSORIASIS,PEMPHIGUS,CHR ULCER OF SKIN'
        OWISE
             SELECT OPER1
                 WHEN 000,'   '
                      SELECT AGE
                          WHEN 0-20                                        = 285
  TITLE 285 '65D2NSA1'
            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,CHR ULCER WO OPER OF AGE<21'
                          OWISE                                            = 286
  TITLE 286 '65D2NSA2'
            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,CHR ULCER WO OPER OF AGE>20'
                 OWISE
                      SELECT DX2
                          WHEN 0000,'    '                                 = 287
  TITLE 287 '65D2YSND'
            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,ERYTHMA CONDITN W OPER WO DX2'
                          OWISE                                            = 288
  TITLE 288 '65D2YSYD'
            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,ERYTHMA CONDITN W OPER W DX2'

/*ARTHRITIS = 66

WHEN 710-7150
    SELECT OPER1
        WHEN 000,'   '
             SELECT AGE
                 WHEN 0-64                                                 = 290
  TITLE 290 '66NSA1'
            'ARTHRITIS WO OPER OF AGE<65'
                 OWISE                                                     = 291
  TITLE 291 '66NSA2'
            'ARTHRITIS WO OPER OF AGE>64'
        WHEN 151,158,800,823,153,501,508,702,705,719,756,791,
             757,792,808,803,805,812,813,817-818,831,833,
             838,836,842,845,846,853,859,850,861,852,858,863,
              107,120,125,128,129,159,647,740,
             865,869,890,891,898,894,929,040                               = 292
  TITLE 292 '66YSP1'
            'ARTHRITIS W EXCISN(BONE,JOINT,SYNOVIUM),ARTHRODESIS'
        WHEN 240,251,258,260,262,301,430,440,461,468,462,
             492-499,500,517,330,340,350,324,439,551,
             552,553,535,382,388,460,475,030,622,628,651,876-879,
```

```
            843,903,442,448,446,453,840,841,802,819,871-874                = 294
  TITLE 294 '66YSP3'
            'ARTHRITIS W REPAIR & PLASTIC OPER(JOINT,HIP),LAMINECTOMY'
         OWISE                                                             = 293
  TITLE 293 '66YSP2'
            'ARTHRITIS W ARTHROTOMY,SPINAL FUSN,EXCISN INTERVERT CARTILAGE'

/*DERANGEMENT AND DISPLACEMENT OF INVERTEBRAL DISC = 67

WHEN 7250-7259
    SELECT OPER1
         WHEN 000,'    '                                                   = 295
  TITLE 295 '67NS'
            'DERANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC WO OPER'
         OWISE                                                             = 296
  TITLE 296 '67YS'
            'DERANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC W OPER'

/*DISEASES OF BONE AND CARTILAGE = 68

WHEN 7171-7180,7200-7249
    SELECT OPER1
         WHEN 000,'    '
              SELECT DX1
                   WHEN 720-7202,7223,7230,7232,7226,721-7210               = 298
  TITLE 298 '68NSD2'
            'OSTEOMYELITIS(ACUTE,CHR),OSTEOPOROSIS,SPONT FRACTURE WO OPER'
                   OWISE                                                    = 297
  TITLE 297 '68NSD1'
            'RHEMATISM,PERIOSTITIS,OTH MINOR BONE DIS WO OPER'
         WHEN 891,838,910,929,180,339,349,359,369,320,441,455,649,
              637,814,831,832,849,833,838,835,837,839,843,
              846,847,848,850,859,851,852,858,842,853,854,856,
              857,864,865,900,909,803,804,404,855,052                       = 299
  TITLE 299 '68YSP1'
            'DIS OF BONE & CARTILAGE W EXCISN SEMILUNAR CART,REPAIR OTH JOINT'
         WHEN 065,067,240,251,258,262,301,430,381,524,527,530,540,
              652,663,668,681,662,631,688,331,341,351,361,370,371,
              151,158,911,817,038,221,
              260,713,301,810,811,825,823,870-879,
              844,845,895,904,893,894,268,324,
              330,340,350,360,337,338,345,347,355,357,368,604,641,
              655,060,020,030,033,840,841,810,310,313,535,551,883,906       = 301
  TITLE 301 '68YSP3'
            'DIS OF BONE & CARTILAGE W AMPUTATN,ARTHROPLASTY HIP,OTH MAJOR OPER'
         OWISE                                                              = 300
  TITLE 300 '68YSP2'
            'DIS OF BONE & CARTILAGE W ARTHROTMY,EXCISN BONE,FUSN BONE'

/*OTHER DISEASES OF MUSCULO-SKELETAL SYSTEM = 69

WHEN 7160-7161,7190-7199,726-7260,727-7279,7281-7286,7288-7390
    SELECT OPER1
         WHEN 000,'    '
              SELECT DX1
                   WHEN 7270,7271,7274,7276,
                        7298,7293,7292,730-7319,7332,7334,
                        7335,739-7390,7350-7352,7353,7359,
                        736-7370,7380,7383,7384,7387,
                        7333,7280,7287,7299,7388,
                        7339,7371,7381,7382,7386                            = 302
  TITLE 302 '69NSD1'
            'BUNION SYNOVITIS BURSITIS,TENOSYNOVITIS,SCOLIOSIS,DEFRM FOOT WO OP'
                   OWISE
                        SELECT DX2
                             WHEN 0000,'    '                               = 303
  TITLE 303 '69NSD2ND'
            'LUMBALGIA,DIFF DIS OF CONN TISS,MYOSITIS WO OPER WO DX2'
                        OWISE                                               = 304
  TITLE 304 '69NSD2YD'
            'LUMBALGIA,DIFF DIS OF CONN TISS,MYOSITIS WO OPER W DX2'
         OWISE
              SELECT DX1
                   WHEN 7274,7278,7313,7316,7333,7388,7293,
                        7312-7314,7317-7320,7334,
```

```
                    7335,739-7390,7380,7384,
                    7300,7301,7314,7339,7387,7389,
                    7292,7297,7370,7371,7381-7383                    = 305
  TITLE 305 '69YSD1'
          'SYNOVIITIS,TENDONITIS BURSITIS,DEFORMITY(FINGER,TOE,PALM) W OPER'
                OWISE
                    SELECT OPER1
                         WHEN 440,461,468,462,492-499,500,
                              517,070,600,609,627,628,891,
                              898,929,826,049,
                              165,153,091,082,083,372,373,
                              374,554,702,746,903,870-877,
                              837,839,850,852,858,842,850,
                              831,854,855,647,852,858,863,865,
                              861,864,867,868,869,900,909                = 306
  TITLE 306 '69YSD2P1'
          'OTH DIS OF MUSCULOSKELETAL SYST W MINOR OPER'
                         WHEN 405,400,411,418,420,421,415,
                              230,221,228,439,240,251,258,262,
                              301,030,430,652,663,668,661,662,
                              681,688,691,698,722,716,717,718,
                              151,158,800,918,911,038,220,
                              649,637,652,391,719,756,791,
                              757,792,810,811,033,825,822,870-
                              879,834,844,891,898,895,904,
                              892,894,903,051,530,340,350,
                              360,260,261,267,269,264,268,513,
                              897,077,078,337,
                              023,878,320,325,328,354,361,382,840,841,
                              338,345,347,355,357,368,551,552,
                              553,600,603,610,616,618,815,859            = 308
  TITLE 308 '69YSD2P3'
          'OTH DIS OF MUSCULOSKELETL SYST W SPINAL FUSN,OTH MAJ OPER'
                         OWISE                                         = 307
  TITLE 307 '69YSD2P2'
          'OTH DIS OF MUSCULOSKELETL SYST W EXCISN,REPAIR(SMALL JOINT & BONE)'

/*CONGENITAL ANOMALIES = 70

WHEN 740-7433,7438-7570,7572-7599
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 7420,7472-7479,749-7492,7512,7420,
                         7514,7517,7530-7536,7538,7539,7551,7579,
                         7584-7589,7593,7594,7596,7598,7484-7489,
                         7442,7410,742,7430,7431,7432,7439,7460,
                         7462,7463,7464,7468,7470,7460,7472,7471,
                         7473,7474,7476,7508,7555,7571,7566-7574,
                         7468,7469,7477,7557,7556,7561,7562,7566,
                         7572,7410,7419,7433,7438                      = 310
  TITLE 310 '70NSD2'
          'CONGENITAL ANOMALY(HEART,KIDNEY,OTH MAJOR) WO OPER'
                    OWISE                                              = 309
  TITLE 309 '70NSD1'
          'OSTEOGENESIS IMPERFECTA,PYLORIC STENOSIS,UNDESC TESTICLE WO OPER'
           OWISE
               SELECT DX1
                    WHEN 7480-7483,750-7501,7509,7521,7524-7526,
                         7528,7529,7530,7536,7537,7539,7550,7551,
                         7552,7559,757-7579,2164,758-7582,7440-7449,
                         7453-7455,7458,7459,7500,7540,7451,7520,7579,
                         7527,7554,7555,7572,7583,7452                 = 311
  TITLE 311 '70YSD1'
          'CONG ANOM(TESTICLE SKIN,PYLORIC STENOSIS,OTH MINOR) W OPER'
                    WHEN 7442,7410,742,7430,7431,7432,7439,7410,7419,7420,
                         7433,7438,7443,7460,7461,7462,7468,7469,7470,
                         7460,7473,7474,7476,7563,7566,
                         7510,7511,7513,7514,7516-7519,7522,7523,
                         7531,7532,7534,7535,7538,7560,7564,7567
                         SELECT OPER1
                              WHEN 440,461,468,462,492-499,500,517,
                                   912,913,916,012,049,155,184,209,200,330,
                                   340,350,360,320,569,454,483,504,515,617,
                                   619,622,628,626,641,644,645,636,637,647,
```

```
                                    667,702,711,807,812,813,817-819,842,845,
                                    856,857,869,422,423,428,424,425,801,180,
                                    404,642,648,649,653,655,666,665,680,682,
                                    125,133,220,538,608,609,
                                    681,688,684,689,746,042,840,841          = 315
  TITLE 315 '70YSD3P1'
            'A-S-C,T-O-F,P-D-A,C-O-A,HYPOSPADIA W CATHRIN,REPAIR URETHRA'
                                    OWISE                                    = 316
  TITLE 316 '70YSD3P2'
            'A-S-O,T-O-F,P-D-A,C-O-A W OPER ON VALVE SEPTUM,SHUNT'
                  WHEN 7477,7476,7484-7489,7503,7512,7515,7561,
                       7472,7466,7508,7562                                   = 317
  TITLE 317 '70YSD4'
            'CONG ANOM(SPINE,ESOPHAGEAL ATRESIA,HIRSCHSPRUNG DIS) W OPER'
                  OWISE
                       SELECT OPER1
                            WHEN 240,251,258,260,262,430,691,698,
                                 722,716,717,718,331,341,351,361,
                                 370,378,913,916,106,113,108,112,
                                 114,179,180,201,208,202,203,215,
                                 219,223,320,324,263,268,556,441,
                                 455,474,617,667,801,807,821,870-
                                 879,846,851,842,869,890,891,909,
                                 898,895,904,205,206,396,902,410,
                                 412,174,175,184,404,856-857,859,029,
                                 042,095,110,120,121,123,125,128,153,
                                 170,176,182,847,
                                 909                                         = 312
  TITLE 312 '70YSD2P1'
            'CONG ANOM OF HT(VALVE,UNSPEC) W HT CATHETERIZATION'
                            WHEN 914,156,080,209,200,220,332,334,343,
                                 344,348,353,354,366,030,337,346,347,
                                 356,368,330,340,350,360,339,342,352,
                                 362,363,364,034,311,310,312,313,314,
                                 315,305,304,995,324,329,325,269,267,
                                 576,551,552,553,550,454,464,465,463,
                                 470-472,475,485,502,515,603,604,546,
                                 824,844,403,012,016,018,302,308,325,
                                 329,338,345,355,357,079,436,569,601,
                                 602,608,609,613,615,822,823,848,870-879,
                                 010,840,841,843,845,
                                 022,023,024                                 = 314
  TITLE 314 '70YSD2P3'
            'CONG ANOM OF HT(VALVE,UNSPEC) W OPER ON HT(VALVE,SEPTUM)'
                            OWISE                                            = 313
  TITLE 313 '70YSD2P2'
            'CONG ANOM(PALATE,LIP,HIP,OTH EXTR) W REPAIR(LIP,PALATE),ARTHRDESIS'

/*NORMAL MATURE BORN = 71

WHEN Y200-Y209                                                               = 318
  TITLE 318 '71'
            'NORMAL MATURE BORN'

/*CERTAIN DISEASES AND CONDITIONS PECULIAR TO NEWBORN INFANTS = 72

WHEN 7720-7769,7770,7771-7789,Y210-Y320,Y005,Y60-Y699
    SELECT DX1
          WHEN Y005,Y611,7781,Y644,7788,7784,5609,7760,5601,0092,7789,
               7782,2890,6821,7722-7725,7729,7740-7742,7749                  = 319
  TITLE 319 '72D1'
            'WELL BABY CARE,POST MATURITY,OTH MINOR DIS OR COND OF NEWBRN. INF'
          OWISE
               SELECT DX2
                    WHEN 0000,'    '                                         = 320
  TITLE 320 '72D2ND'
            'IMMATURITY,HYALINE MEMB DIS, OTH MAJ DIS OR COND OF INFANT WO DX2'
                    OWISE                                                    = 321
  TITLE 321 '72D2YD'
            'IMMATURITY,HYALINE MEMB DIS,OTH MAJOR DIS OR COND OF INFANT W DX2'

/*SYMTS AND SIGNS REFERABLE TO NERVOUS, RESPIRATORY, AND CIRCULATORY SYSTS = 73

WHEN 7800-7808,7814-7815,7817-7834,7836-7838,4432
    SELECT OPER1
```

```
        WHEN 000,'   '
             SELECT DX2
                  WHEN 0000,'    '                                          = 322
  TITLE 322 '73NSND'
            'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) WO OPER WO DX2'
                  OWISE
                       SELECT DX1
                            WHEN 7805,7806,7815,7817,7818,7826,7828,
                                 7831,7800,7808,7829,0384,5194,
                                 5199,7820,7832,7838                        = 324
  TITLE 324 '73NSYCD2'
            'VERTIGO,ENCEPHALOPATHY,DYSPNEA,HEMOPTYSIS WO OPER W DX2'
                            OWISE                                           = 323
  TITLE 323 '73NSYDD1'
            'CONVULSION,SYNCOPE,EPISTAXIS,CHEST PAIN WO OPER W DX2'
        WHEN 405,400,411,418,420,421,417,415,230,221,228,439,
             240,251,256,301,430,070,609,627,628,913,047,
             181,203,209,200,210,212,218,225,370,371,378,
             332,334,343,344,348,353,354,366,320,617,670,671,
             672,733,735,739,750,719,756,791,760,801,806,834,
             835,842,856,857,890,891,909,898,895,904,894,422,
             423,423,424,425,826,404,409,406,171,178,180,189,
             183,190,199,182,201,208,204,205,206,231,232,233,
             173,207,224,229,234,398,438,442,
             236,238,237,239                                                = 325
  TITLE 325 '73YSP1'
            'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MINOR OPER'
        OWISE                                                               = 326
  TITLE 326 '73YSP2'
            'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MAJOR OPER'

/*SYMPTOMS AND SIGNS REFERABLE TO G-I AND URINARY SYSTEM = 74

WHEN 7840-7865
    SELECT OPER1
        WHEN 000,'   '
             SELECT DX2
                  WHEN 0000,'    '                                          = 327
  TITLE 327 '74NSND'
            'SYMPTOM OR SIGNS (G-I,URINARY SYST) WO OPER WO DX2'
                  OWISE                                                     = 328
  TITLE 328 '74NSYC'
            'SYMPTOM OR SIGNS (G-I,URINARY SYST) WO OPER W DX2'
        WHEN 461,468,492-499,500,517,151,158,800,912,914,
             916,918,911,922,929,239,236,365,556,558,557,491,
             626,647,682,702,705,719,757,792,739,
             555,746,756,791,832,849,851,501,508,641,923,
             047,052,228,260,261,515,516,527,554,617,649,722,807,
             929,913,915,917                                                = 329
  TITLE 329 '74YSP1'
            'SYMPTOM OR SIGNS(G-I,URINARY SYST) W ENDOSCOPY,OTH MINOR OPER'
        OWISE                                                               = 330
  TITLE 330 '74YSP2'
            'SYMPTOM OR SIGNS(G-I,URINARY SYST) W EXPL LAPLATMY, OTH MAJOR OPER'

/*MISCELLANEOUS SIGNS, SYMPTOMS, AND ILL-DEFINED CONDITIONS = 75

WHEN 5208,6060-6069,6280-6289,6293,6295,7170,7280,7287,7810-7813,
    7816,7835,7866-7889,7900-7910,7930-7969
    SELECT OPER1
        WHEN 000,'   '
             SELECT DX1
                  WHEN 793-7939,6060,6280,6289,6293,6295,7866,
                       7867,6079,6259,6169,6299,7398,7810,7812,
                       6119,7835                                            = 331
  TITLE 331 '75NSD1'
            'STERILITY(MALE, FEMALE), ADMISSION FOR OBSERV WO OPER'
                  OWISE
                       SELECT AGE
                            WHEN 0-14                                       = 332
  TITLE 332 '75NSD2A1'
            'ELECTRO DISOR,HEADACHE,PYREXIA,OTH ILL-DEF SYMT WO OPER OF AGE<15'
                       OWISE                                                = 333
  TITLE 333 '75NSD2A2'
            'ELECTRO DISOR,HEADACHE,PYREXIA,OTH ILL-DEF SYMT WO OPER OF AGE>14'
```

```
          WHEN 405,40C,411,418,420,421,417,415,230,221,228,439,
               663,668,664,741,748,912,916,922,929,924,
               152,C89,084,093,095,096,233,330,340,350,360,
               332,334,343,344,348,353,354,366,320,550,554,556,
               559,557,617,641,647,660,661,662,667,666,679,670,
               671,672,674,676,391,396,705,707,706,708,709,722,
               720,718,719,757,792,721,724,728,729,731,738,734,
               739,740,746,756,791,781,850,846,863,865,869,
               832,909,904,416,414,232,236,238,229,898,923,
               642,C61,404,424                                          = 334
   TITLE 334 '75YSP1'
             'MISC SYMPT OR SIGNS W PERINEOSCOPY,CYSTOSCOPY OTH MINOR OPER'
          OWISE                                                        = 335
   TITLE 335 '75YSP2'
             'MISC SYMPT OR SIGNS W HYSTERECTOMY,EXPL LAPLATMY,OTH MAJOR OPER'

/*FRACTURES = 76

WHEN 8000-8290
     SELECT OPER1
          WHEN 000,'    '
               SELECT DX1
                    WHEN 800-8009,8010,8020,8022,8024,8030,8031,8059
                         8074,810,8100,8119,8129,813,8130,
                         8132,8134,8139,814-8149,8150,8159,8160-8169,8170
                         8221,8250,8260,8019,8021,8029,
                         8109,8110,8131,8135,823-8239,8240,8241,8249
                         SELECT AGE
                              WHEN 0-29                                = 336
   TITLE 336 '76NSD1A1'
             'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND) WO OPER OF AGE<30'
                              OWISE                                    = 337
   TITLE 337 '76NSD1A2'
             'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND) WO OPER OF AGE>29'
                    WHEN 8050,8052,8056,8070,8072,8089,812,8120,
                         8122,8124,8204,8220,8069,8121,8290
                         SELECT AGE
                              WHEN 0-64                                = 338
   TITLE 338 '76NSD2A1'
             'FX(SPINE,RIB,HUMERUS) WO OPER OF AGE<65'
                              OWISE                                    = 339
   TITLE 339 '76NSD2A2'
             'FX(SPINE,RIB,HUMERUS)WO OPER OF AGE>64'
                    OWISE                                              = 340
   TITLE 340 '76NSD3'
             'FX(FEMUR,PELVIS,MULTIPLE) WO OPER'
          WHEN 912,043,160,153,083,C89,090,092,093,096,173,
               203,209,215,219,226,227,332,334,339,343,461,
               462,705,740,800,812,817-819,820,870-875,879,
               831,833,836,837,859,842,859,864,869,893,909,205,
               206,843,849,828,085,829,826,409,406,034,
               189,186,180,207,210,212,218,847,830,929,202,
               041,C45-047,C40
               SELECT DX1
                    WHEN 802-8021,8025-8029,8079,8100,
                         8110,813-8130,8132-8135,814-8149,8159,
                         816-8169,8203,8213,823,8232,8233,8241,
                         8259,8260,8290,8240
                         SELECT DX2
                              WHEN 0000,'    '                         = 341
   TITLE 341 '76YSP1D1ND'
             'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE REDUCTN WO DX2'
                              OWISE                                    = 342
   TITLE 342 '76YSP1D1YD'
             'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE REDUCTN W DX2'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                         = 343
   TITLE 343 '76YSP1D2ND'
             'FX(MANDBL,HUMERUS,ANKLE)W CLOSE REDCTN,OPEN REDCTN FOR FACE WO DX2'
                              OWISE                                    = 344
   TITLE 344 '76YSP1D2YD'
             'FX(MANDBL,HUMERUS,ANKLE)W CLOSE REDCTN,OPEN REDCTN FOR FACE W DX2'
          WHEN 154,213,311,381,524,527,530,540,151,158,
               914,916,918,911,010,013,038,125,179,
```

```
                208,335,345,355,367,261,551,552,
                553,562,382,388,442,448,443,470-472,512,518,
                620,621,630,632-635,626,651,652,391,398,
                814,815,821,822,823,824,825,844,853,858,
                898,895,904,905,906,403,834,264,268,266,
                337,338,347,357,368,502,835,076,
                222,023,030,033,840,841,877,878                          = 348
   TITLE 348 '76YSP3'
             'FX OF BONE W AMPUTATN ARTHROPLASTY OF HIP OTH MAJOR OPER'
          .OWISE
                SELECT DX1
                     WHEN 8011,8020,8021,8025,8029,8031,8062,
                          8071,8100,8109,8110,8124,8129,8130,8131,
                          8132,8134,8139,8149,8150,8151,8159,8160,8161,
                          8169,8170,8171,8221,8229,825,8250,8259,
                          8260,8261,8269,8020,8140,8249,8251,8290        = 345
   TITLE 345 '76YSP2D1'
             'FX(ARM,HAND,FOOT,CLAVICLE) W OPEN REDUCTN EXT FIXATN,DEBRIDEMENT'
                     WHEN 8000,8010,8023,8030,8050,8054,
                          8058,8072,8080,812-8121,8123,
                          8135,8200,8202-8204,8210-8213,8231,8233,
                          8241                                           = 347
   TITLE 347 '76YSP2D3'
             'FX(FEMUR,PELVIS) W OPEN REDUCTN,EXT FIXATN,DEBRIDEMENT'
                     OWISE                                               = 346
   TITLE 346 '76YSP2D2'
             'FX(ANKLE,TIBIA & FIBULA) W OPEN REDUCTN EXT FIXATN, DEBRIDEMENT'

/*DISLOCATION AND OTHER MUSCULO-SKELETAL INJURY = 77

WHEN 8300-8489
    SELECT OPER1
          WHEN 000,'    '
                SELECT DX1
                     WHEN 8300,8350,8395,844-8440,846-8470,
                          8471-8474,8479,8390,8399                       = 350
   TITLE 350 '77NSD2'
             'DISLOCTN(JAW,HIP),SPRAINS(KNEE,SACROILIAC,OTH,UNSPEC)WO OPER'
                     OWISE                                               = 349
   TITLE 349 '77NSD1'
             'DISLOCATN(SHOULDR,ELBOW,WRIST,KNEE),SPRAINS(ANKL,FOOT,HAND)WO OPER'
          OWISE
                SELECT DX1
                     WHEN 8300,8301,8310,8311,8320,8330,8339,
                          8340,8341,8349,8379,8381,8389,8397,
                          8410,8420,8450,8421,840-840),8421,8420,
                          8451,8812,8819,8822,8832,8829                  = 351
   TITLE 351 '77YSD1'
             'DISLOCATN(SHOULDER,ELBOW,HAND),SPRAINS(ELBOW,WRIST,HAND) W OPER'
                     WHEN 8319,8350,8359,8390,8395,843-8430,8902,8479,
                          846,8460,8470,8471-8474                        = 353
   TITLE 353 '77YSD3'
             'DISLOCATN(HIP,MULTIPLE),SPRAINS(HIP,SACROILIAC,OTH,UNSPEC) W OPER'
                     OWISE                                               = 352
   TITLE 352 '77YSD2'
             'DISLOCATN(KNEE,ANKLE),SPRAINS(SHOULDER,KNEE,ANKLE) W OPER'

/*INTERNAL INJURY OF CRANIUM, CHEST, AND OTHER ORGANS = 78

WHEN 8500-8549,8600-8699,9953,9500-9599
    SELECT OPER1
          WHEN 000,'    '
                SELECT AGE
                     WHEN 0-40
                          SELECT DX2
                               WHEN 0000,'     '                         = 354
   TITLE 354 '78NSA1ND'
             'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER WO DX2 OF AGE<41'
                               OWISE                                     = 355
   TITLE 355 '78NSA1YD'
             'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER W DX2 OF AGE<41'
                     OWISE                                               = 356
   TITLE 356 '78NSA2'
             'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER OF AGE>40'
          WHEN 912,914,918,911,049,152,180,209,349,359,
```

```
              369,256,554,483,513,626,705,724,728,729,739,839,
              859,855,856,857,861,858,863,864,865,866,
              894,900,716,717,718,719,750,791,757,792,733,735,052,156,
              854,391,398,890,153,040,042,045-047,044,048,570-573          = 357
   TITLE 357 '78YSP1'
             'INTERNAL INJURY W SUTURE(SKIN,NERVE),NEUROPLASTY OTH MINOR OPER'
          WHEN 010,013,023,091,215,219,220,225,332,334,
              337,339,343,335,345,355,367,338,347,357,265,
              253,577,551,552,553,522,523,442,448,452,456,
              470-472,475,479,484,600,609,631,644,645,636,637,
              647,652,660,822,834,844,903,829,085,826,262,314,
               021,352,354,450,459,461,320,321,827,
              324,603,605,823,806,848,076,030,039,020                      = 359
   TITLE 359 '78YSP3'
             'INTERNAL INJURY W CRANIOTOMY,EXPL LAPAROTOMY'
          OWISE                                                            = 358
   TITLE 358 '78YSP2'
             'INTERNAL INJURY W SPLENECTMY,THORACOTMY,PLEUROTMY,EXCISN SKIN'

/*OPEN WOUND AND SUPERFICIAL INJURY = 79

WHEN 8700-8979,9100-9391
     SELECT OPER1
          WHEN 000,'    '
               SELECT DX1
                    WHEN 870-8709,872-8729,8732,8740,8750,8760,8770,
                         8771,8780,8781,8790,8800,8801,8810,8811,
                         8820,8829,8830,8839,885-8859,8869,8879,
                         8910,8920,8930,8939,9100,9110,9120,9130,9140,
                         9150,9159,9170,9230,930-9351,938-9391,
                         9130,9140,9150,9240,9250,9260                     = 360
   TITLE 360 '79NSD1'
             'OPEN WOUND NOT COMPLICATED,SUPERFICIAL INJURY,FOREIGN BODY WO OPER'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                             = 361
   TITLE 361 '79NSD2ND'
             'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY WO OPER WO DX2'
                         OWISE                                             = 362
   TITLE 362 '79NSD2YD'
             'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY WO OPER W DX2'
          WHEN 160,164,099,145,915,916,918,911,165,083,141,104,122,129,
               130,136,091,102,103,107,131,125,128,123,127,220,225,
               332,334,337,339,345,335,345,355,367,344,348,353,354,
               366,346,347,356,368,349,359,369,371,378,300,325,329,
               260,261,263,268,252,256,430,576,551,552,553,554,556,
               558,557,523,382,388,440,450,451,470-472,475,484,504,
               513,603,620,621,647,649,637,660,661,662,684,739,800,
               802,808,803,805,806,821,823,820,870-879,839,843,859,866,891,
               904,903,906,421,427,429,420,426,828,085,829,826,012,
               013,049,211,262,264,269,267,330,340,350,360,
               357,463,059,570-573,020,030,040,042,435,491,577,845,
                010,034,039,226,306,439,443,535,543,574,604,617,652,841,
                844,847,848,849,
               846,842,394
               SELECT DX1
                    WHEN 870-8709,8710,8729,8731-8732,8737,8739,
                         8760,8730,8798,8801,8810,8829,
                         8839,8840,8850,8860-8869,8929,8940,910-9159,
                         9219,9230,9195,
                          8720,8730,8800,8802,8811,8819,8820,8821,
                          8822,8832,8920,8921,8930,8931,6941,8950,9300-9390,
                         9250,9260,9229,9280,9289,883-8831                 = 365
   TITLE 365 '79YSP2D1'
             'OPEN WOUND(EXTR),SUPERF INJURY W EXCISN,DEBRIDEMENT,OTH MAJOR OPER'
                    OWISE                                                  = 366
   TITLE 366 '79YSP2D2'
             'OPEN WOUND(COMPL,BUDY,MULTIPLE) W EXCISN,DEBRIDEMENT,OTH MAJOR OP'
          OWISE
               SELECT DX1
                    WHEN 870C,8709,8720,8729,8732,8760,8740,
                         8760,8770,878,8781,8810,8820,
                         8830,8869,8920,8921,8931,9109,
                         9140,9150,9159,9219,9239,9230,9239,
                         9240,9250,8780,8789,8831,8839,9100,9170,
```

```
                        9249,9259,9269,9260,9229,9290,
                        8701,8710,8721,8733,8800-8802,8809,8811,
                         8812,8821-8829,8832,8840,8842,8850,8852,
                         8860,8910,8911,8912,9120,9139,9149,
                         9160-9169,9179,9180,9300-9390,
                        9280,9289,9299,9110,9130,9150,9170                  = 363
  TITLE 363 '79YSP1D1'
            'OPEN WOUND(EXTR),FOREIGN BODY W ENDOSCPY,SUTURE,OTH MINOR OPER'
                  OWISE                                                     = 364
  TITLE 364 '79YSP1D2'
            'OPEN WOUND(COMPL,HEAD,MULTIPLE) W ENDSCPY,SUTURE,OTH MINOR OPER'

/*BURN = 80

WHEN 940C-9499
    SELECT DX1
          WHEN 9411,9412,9419,9421,9422,9430-9432,9440,9442,
               9451,9452,940-9409,9410,
               9441,9460-9469,9494,9480-9482,9484-9487,
                9470-9472,9474-9479,
               9490-9492                                                    = 367
  TITLE 367 '80D1'
            'BURN OF 1ST DEGR,2ND DEGR UNCOMPL,LESS THAN 20% OF BODY'
          OWISE                                                             = 368
  TITLE 368 '80D2'
            'BURN OF 2ND DEGR COMPL, 3RD DEGR, OVER THAN 20% OF BODY'

/*COMPLICATION OF SURGICAL AND MEDICAL CARE = 81

WHEN 996C-9991,9993-9999
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN 0000,'     '                                       = 369
  TITLE 369 '81NSND'
            'COMPL OF SURGICAL OR MEDICAL CARE WO OPER WO DX2'
                      OWISE                                                 = 370
  TITLE 370 '81NSYD'
            'COMPL OF SURGICAL OR MEDICAL CARE WO OPER W DX2'
          WHEN 913,916,918,911,922,929,023,049,046,151,158,152,
               159,089,084,093,090,092,083,102,107,109,
               134,130,139,123,127,128,171,178,172,181,040,
               209,200,225,234,233,
               262,439,059,557,553,530,504,512,518,
               516,896,608,625,660,391,398,
               692,722,720,718,719,757,792,724,728,725-727,
               555,729,734,575,733,735,739,740,756,791,793,796,
               800,870-877,869,892,907,396,421,
               427,429,420,426,414,415,419,400,732,852,858,
                091,096,105,112,132,136,180,227,264,051,
                100,103,120,122,125,145,187,231,232,304,360,401,
                402,656,659,662,682,705,713,
               864                                                          = 371
  TITLE 371 '81YSP1'
            'COMPL OF SURGICAL OR MEDICAL CARE W MINOR OPER'
          WHEN 915,048,081,088,332,334,343,344,348,353,354,366,
               337,346,347,356,368,339,349,359,369,320,325,329,
               300,269,267,268,550,456,452,483,642,648,647,
               670,671,672,399,397,691,698,553,730,767,
               794,850,861,894,900,909,012,039,080,226,
               621,150,094,104,110,111,119,106,
               108,114,113,131,126,129,134,
               182,189,199,205,206,229,491,500,501,508,510,
               515,610,613,626,622,628,630,632-635,640,641,644,
               645,637,617,609,619,629,698,902,903,
                033,034,042,433,434,438,552,560,562,
                600,803,260,390,482,556,574,620,801,821,823,
               923,910,912,914,324,020,045,859                              = 372
  TITLE 372 '81YSP2'
            'COMPL OF SURGICAL OR MEDICAL CARE W REPLACE HT DEVICE,REPAIR STOMA'
          OWISE                                                             = 373
  TITLE 373 '81YSP3'
            'COMPL OF SURGICAL OR MEDICAL CARE W REVISN SHUNT,OTH MAJOR OPER'

/*ADVERSE EFFECTS OF A CERTAIN SUBSTANCE = 82
```

```
WHEN 9600-9952,9955-9959
    SELECT DX1
        WHEN 9610,9620,9631,9642,9644,9655,9680,9730,9731,9832,
             984-9859,9904-9912,9920,9942,9946,9949,9952,
             9901,9902,9913,9919,9951,9957,9955
             SELECT DX2
                 WHEN 0000,'    '                                          = 376
  TITLE 376 '82D2ND'
             'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,RADIATION) WO DX2'
                 OWISE                                                     = 377
  TITLE 377 '82D2YD'
             'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,RADIATION) W DX2'
        OWISE
             SELECT DX2
                 WHEN 0000,'    '                                          = 374
  TITLE 374 '82D1ND'
             'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOL WO DX2'
                 OWISE                                                     = 375
  TITLE 375 '82D1YD'
             'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOLIC W DX2'

/*SPECIAL ADMISSIONS AND EXAMINATIONS WITHOUT REPORTED DIAGNOSIS = 83

WHEN V000-V004,V006-V179,3190-3192,3199,3790-3791,388-3899,7890-7899,
    7970-7974
    SELECT OPER1
        WHEN 000,'   '
             SELECT DX1
                 WHEN V060,V008,
                      V009,V061,V07-V070,V039,V100,V109,V111,
                      V093,V109,6029                                       = 378
  TITLE 378 '83NSD1'
             'PRENATAL CARE,MEDICAL & SURGICAL AFTER CARE(DIALYSIS) WO OPER'
                 WHEN V061,V069,V049,
                      V07-V070,V039,V109,3790,7971,7895,
                       V002,V003,V004,V030-V032,7890,7897,7899,
                      7972,3199,V039                                       = 379
  TITLE 379 '83NSD2'
             'ADMISSION(FOR STERILIZATION,CHEMOTHER,RADIATION THER) WO OPER'
                  OWISE                                                   = 380
  TITLE 380 '83NSD3'
             'FOLLOWUP(CA),SURG-MED AFTR CARE(COLOSTOMY,ORTHOP,OTH) WO OPER'
        WHEN 649,922,929,023,169,153,142,143,148,089,084,
             093,104,105,109,110,111,119,132,130,139,170,176,179,
             180,181,184,186,183,189,187,182,199,226,227,231,
             233,320,454,501,508,617,619,666,
             670,671,672,706,708,720,718,722,719,757,
             792,723,553,730,739,555,770,750,752-754,998,767,
             790,756,791,806,831,864,869,905,174,907,
             903,403,039,705,923                                          = 381
  TITLE 381 '83YSP1'
             'SPECIAL ADMISSION W OPER ON STERILIZATION OR D&C'
        WHEN 405,400,420,421,417,415,230,221,228,439,381,524,
             527,530,540,070,600,609,627,628,652,663,668,661,
             662,681,688,915,916,155,079,115,571,378,
             312,313,311,325,329,576,622,647,676,669,679,
             682,701,703,704,729,758,764,766,794,807,859,
             890,891,909,175,396,411,416,418,024,080,641,
             642,643,702,709,849,850,856,857,391,398,900,
              044,047,112,113,120,121,123-125,128,
             570-573                                                      = 382
  TITLE 382 '83YSP2'
             'SPECIAL ADMISSION W CYSTOSCOPY,REMOVAL OF FIX DEVICE(INTERNAL)'
        OWISE                                                             = 383
  TITLE 383 '83YSP3'
             'SPECIAL ADMISSION W EXPL LAPAROTMY,HYSTERECTMY,OTH MAJOR OPER'
OWISE                                                                     = 384
TITLE 384 '****'
          'UNGROUPED'
```

Appendix E.3

Source Listing of HICDA2 Grouping Program

```
EXEC GSYNTAX
TURN ALIGN OFF
REGISTER 10:GNUM I.2,DX1 C.4,DX2 C.4,OPER1 C.3,OPER2 C.3,AGE I.1,SEKV I.1
TURN ALIGN ON
LANGUAGE GROUPER
WORK FILE TEMPMSTR S 1200
TITLE OPEN 'H2TITLES S 390'
START DX1 IN GCCBQAH USING 6000

/*INFECTIOUS DISEASES = 1

WHEN 001-0689, 071-1360
    SELECT DX1
        WHEN 008-0091
            SELECT AGE
                WHEN 0-15                                                    = 1
  TITLE   1 '01D1A1'
            'ENTERITIS,DIARRHEAL DIS OF AGE<16'
                OWISE                                                        = 2
  TITLE   2 '01D1A2'
            'ENTERITIS,DIARRHEAL DIS OF AGE>15'
        WHEN 001,0020,0030,0039,0060,0110-0113,0119-0122,0130,0150,
             0162,0170,0171,0179,0180,0189,0270,0310,0361,0380,0381,
             0383,0388,0389,0430,0460,0460,0532,0538,0539,066,0660,
             0781,0840,0940,0970,0985,1009,1150,1173,1228,1240,1350,
             0339,0360,0390,0530,0531,0710,0820,0838,1130,1159,1175,1178,1179
            SELECT OPER1
                WHEN 000,'   '                                               = 5
  TITLE   5 '01D3NS'
            'SEPTICEMIA,TBC,SARCOIDOSIS,SALMONELLA INFECTN WO OPER'
                OWISE                                                        = 6
  TITLE   6 '01D3YS'
            'SEPTICEMIA,TBC,SARCOIDOSIS,SALMONELLA INFECTN W OPER'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                             = 3
  TITLE   3 '01D2ND'
            'VENEREAL DIS, VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,WART,OTH) WO DX2'
                OWISE                                                        = 4
  TITLE   4 '01D2YD'
            'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,WART,OTH) W DX2'

/*MALIGNANT NEOPLASM OF DIGESTIVE SYSTEM = 2

WHEN 140-1590
    SELECT OPER1
        WHEN 000,'   '
            SELECT DX1
                WHEN 140-1490,1530-1535,155-1561,1569,
                     1539,1542,1562,1581                                     = 7
  TITLE   7 '02NSD1'
            'CA OF ORAL CAVTY,COLON,GALLBLDR WO OPER'
                OWISE                                                        = 8
  TITLE   8 '02NSD2'
            'CA OF G-I SYST EXCEPT ORAL CAVTY,COLON,GALLBLDR WO OPER'
        WHEN 411,500,041,301-304,310-312,316,380,393,332,420,
             423,424,427,542,544,545,502,503,504,513,514,510-512,
             516,520,521,524-526,413,430,431,432,434-439,442,449,
             453-456,457-459,461,463,464,483,484,439,492,550,551,555,
             564,565,567,560,598,561,569,651,653,683,703,880,881,883,
             255,259,274,772,773,775,334,345,425,444,470,489,342,847,894 = 11
  TITLE  11 '02YSP2'
            'CA OF G-I SYST W EXPLR LAPLTMY,RESECTN INTESTIN,OTH MAJOR OPER'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                             = 9
  TITLE   9 '02YSP1ND'
            'CA OF G-I SYST W BIPSY,ENDOSCPY,LOCAL EXCSN,OTH MINOR OPER WO DX2'
                OWISE                                                        = 10
  TITLE  10 '02YSP1YD'
            'CA OF G-I SYST W BIPSY ENDOSCPY,LOCAL EXCSN,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF RESPIRATORY SYSTEM = 3
```

```
WHEN 160-1639
    SELECT OPER1
        WHEN 000,'    '
            SELECT DX2
                WHEN 0000,'    '                                          = 12
  TITLE  12 '03NSND'
            'CA OF RESP SYST WO OPER WO DX2'
                OWISE                                                    = 13
  TITLE  13 '03NSYD'
            'CA OF RESP SYST WO OPER W DX2'
        WHEN 885,301-303,304,311,312,371-373,
             342,321,331-334,427,542,503,504,
             512,431,432,463,783,784,787,793,805,315,
             816,894,218,252-254,273,771,772,773,
             012,014,023,341                                             = 16
  TITLE  16 '03YSP2'
            'CA OF RESP SYST W LOBECTMY,PNEUMONECTMY,OTH MAJOR OPER'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                         = 14
  TITLE  14 '03YSP1ND'
            'CA OF RESP SYST W BIPSY, ENDOSCPY,OTH MINOR OPER WO DX2'
                OWISE                                                    = 15
  TITLE  15 '03YSP1YD'
            'CA OF RESP SYST W BIPSY, ENDOSCPY,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF SKIN = 4

WHEN 172-1739
    SELECT DX1
        WHEN 173-1739,1722-1724
            SELECT DX2
                WHEN 0000,'    '                                         = 17
  TITLE  17 '04D1ND'
            'CA OF SKIN EXCEPT MALIG MELANOMA WO DX2'
                OWISE                                                    = 18
  TITLE  18 '04D1YD'
            'CA OF SKIN EXCEPT MALIG MELANOMA W DX2'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                         = 19
  TITLE  19 '04D2ND'
            'MALIG MELANOMA WO DX2'
                OWISE                                                    = 20
  TITLE  20 '04D2YD'
            'MALIG MELANOMA W DX2'

/*MALIGNANT NEOPLASM OF BREAST = 5

WHEN 174-1742
    SELECT OPER1
        WHEN 000,'    '
            SELECT AGE
                WHEN 0-62                                                = 21
  TITLE  21 '05NSA1'
            'CA OF BREAST WO OPER OF AGE<63'
                OWISE                                                    = 22
  TITLE  22 '05NSA2'
            'CA OF BREAST WO OPER OF AGE>62'
        OWISE
            SELECT DX2
                WHEN 0000,'    '                                         = 23
  TITLE  23 '05YSND'
            'CA OF BREAST W OPER WO DX2'
                OWISE                                                    = 24
  TITLE  24 '05YSYD'
            'CA OF BREAST W OPER W DX2'

/*MALIGNANT NEOPLASM OF FEMALE GENITAL ORGAN = 6

WHEN 180-1849
    SELECT OPER1
        WHEN 000,'    '
            SELECT DX2
                WHEN 0000,'    '                                         = 25
```

```
   TITLE  25 '06NSND'
             'CA OF FEMALE GENITL ORG WO OPER WO DX2'
                OWISE                                                    = 26
   TITLE  26 '06NSYD'
             'CA OF FEMALE GENITL ORG WO OPER W DX2'
          WHEN 348,411,500,514,520,381,091,780,
               923,032,400,401,402-404,341,340,542,540,
               544,510,453,454,401,457-459,464,571-573,
               578,602,651,652,654,655,682,683,685,687,
               705,713-715,748,890,342,372,392,425,502,545,564,675,686,805
               SELECT DX1
                  WHEN 182-1829,1800                                     = 29
   TITLE  29 '06YSP2D1'
             'CA OF UTERUS-CORPUS W HISTRECTMY,EXPLR LAPAROTOMY,OTH MAJOR OPER'
                OWISE                                                    = 30
   TITLE  30 '06YSP2D2'
             'CA OF UTERUS-CERVIX, OVARY W HISTRECTMY,OTH MAJOR OPER'
          OWISE
               SELECT DX2
                  WHEN 0000,'    '                                       = 27
   TITLE  27 '06YSP1ND'
             'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,OTH MINOR OPER WO DX2'
                OWISE                                                    = 28
   TITLE  28 '06YSP1YD'
             'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF MALE GENITAL ORGAN = 7

WHEN 185-1879
    SELECT OPER1
          WHEN 000,'    '                                                = 31
   TITLE  31 '07NS'
             'CA OF MALE GENITL ORG WO OPER'
          WHEN 561,589,885,011,075,030,377,
                530-533,461,490,571,575,576,582,
                602-604,607,630,635,636,032,392,482,551,605,793,884      = 34
   TITLE  34 '07YSP2'
             'CA OF MALE GENITL ORG W PROSTECTMY,OTH MAJOR OPER'
          OWISE
               SELECT DX2
                  WHEN 0000,'    '                                       = 32
   TITLE  32 '07YSP1ND'
             'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY WO DX2'
                OWISE                                                    = 33
   TITLE  33 '07YSP1YD'
             'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY W DX2'

/*MALIGNANT NEOPLASM OF URINARY SYSTEM = 8

WHEN 188-1899
    SELECT OPER1
          WHEN 000,'    '                                                = 35
   TITLE  35 '08NS'
             'CA OF URINARY SYST WO OPER'
          WHEN 091,780,802,822,831,032,341,335,530-533,
               542,442,453,454,462,461,551,550,552,590,554,
               555,563-566,567,571,572,574-576,701,014,015,
               345,392,484,544,545,553,604                               = 38
   TITLE  38 '08YSP2'
             'CA OF URINARY SYST W NEPHRECTMY,CYSTECTMY,OTH MAJOR OPER'
          OWISE
               SELECT DX2
                  WHEN 0000,'    '                                       = 36
   TITLE  36 '08YSP1ND'
             'CA OF URINARY SYST W CYSTOSCPY, LOCAL EXCISN,OTH MINOR OPER WO DX2'
                OWISE                                                    = 37
   TITLE  37 '08YSP1YD'
             'CA OF URINARY SYST W CYSTOSCPY,LOCAL EXCISN,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES = 9

WHEN 170-1719, 190-1990
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX1
```

```
                WHEN 1707,1709,1711-1713,1719,190,192,1900,1920,
                     1922,1924-1925,1930,1942,1950,1960,1964,
                     1700,1701,1704,1708,1929,1940,1943,1951                    = 39
  TITLE  39 '09NSD1'
            'CA OF BONE, THYROID,CONN TISSUE,NERVES WO OPER'
                OWISE
                     SELECT DX2
                          WHEN 0000,'    '                                      = 40
  TITLE  40 '09NSD2ND'
            'CA OF BRAIN, SECONDARY CA, MULTIPL CA WO OPER WO DX2'
                          OWISE                                                 = 41
  TITLE  41 '09NSD2YD'
            'CA OF BRAIN,SECONDARY CA,MULTIPL CA WO OPER W DX2'
          WHEN 010,C18,041,038,348,430,451,452,479,480,
               490,411,500,520,922,011,076,014,015,075,
               022,023,024,030,033,051,173,175,203,301-303,
               311,383,393,395,342,345,330,332,333,423,421,
               542,502,513,514,512,510,511,431,432,442,453-456,
               461,457,458,551,550,555,560,598,571,572,575,576,
               570,602,863,633,701,783,784,787,859,795,791,
               793,847,848,804,805,770-773,029,071,072,372,434,436,437,462,
               463,484,515,519                                                  = 44
  TITLE  44 '09YSP2'
            'CA OF BONE,CONN TISSUE,NERVES,SECONDARY CA,MULTIPL CA W MAJOR OPER'
          OWISE
               SELECT DX1
                    WHEN 1709-1710,1712,1711,1713,1719,1941,1942,1969,
                         1921,1925,193,1930,1958,1959,1960,
                         1961,1964,1965,1971,1981,1982,1983,
                         1989,199,1990,1991                                     = 42
  TITLE  42 '09YSP1D1'
            'CA OF THYROID,CONN TISSUE,NERVES W BIPSY,EXCISN,OTH MINOR OPER'
                    OWISE                                                       = 43
  TITLE  43 '09YSP1D2'
            'SECONDARY CA,MULTIPL CA W BIPSY,EXCISN,OTH MINOR OPER'

/*NEOPLASM OF LYMPHATIC AND HEMOPOIETIC TISSUE = 10

WHEN 200-2090
    SELECT AGE
          WHEN 0-15
               SELECT DX2
                    WHEN 0000,'    '                                           = 45
  TITLE  45 '10A1ND'
            'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 WO DX2'
                    OWISE                                                       = 46
  TITLE  46 '10A1YD'
            'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 W DX2'
          OWISE
               SELECT OPER1
                    WHEN 000,'   '
                         SELECT DX1
                              WHEN 2000,2001,201-2019,
                                   2022,2023,2029,2058,
                                   2059,2072,2079,
                                   208,2080,209,2090
                                   SELECT DX2
                                        WHEN 0000,'    '                       = 47
  TITLE  47 '10A2NSD1ND'
            'HODGKINS DIS,RETICULM-CELL SARCMA WO OPER OF AGE>15 WO DX2'
                                   OWISE                                        = 48
  TITLE  48 '10A2NSD1YD'
            'HODGKINS DIS,RETICULM-CELL SARCMA WO OPER OF AGE>15 W DX2'
                              OWISE                                             = 49
  TITLE  49 '10A2NSD2'
            'MULTIPL MYELOMA,LEUKEMIA(LYMPH,MYELOID,MONO)WO OPER OF AGE >15'
                    WHEN 022,023,320,331,341,342,372,420,411,500,
                         514,520,860,651,671,681,381,400,401,091,
                         780,885,921,925,927,929,911,210-212,219,
                         222,077-079,401,402,404,933,340,540,453,
                         454,602,860,656,657,659,690,721,725,783,
                         784,833,782,880,881,883,884,885,889,897,
                         231,062,171,181,207,213,225,229,230,263,279,289,
                         321,335,349,434,750,870,874,920,914
                         SELECT DX2
```

```
                              WHEN 0000,'    '                                  = 50
  TITLE  50 '10A2YSP1ND'
            'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS W MINOR OPER OF AGE>15 WO DX2'
                              OWISE                                             = 51
  TITLE  51 '10A2YSP1YD'
            'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS W MINOR OPER  OF AGE>15 W DX2'
                              OWISE                                             = 52
  TITLE  52 '10A2YSP2'
            'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS W MAJOR OPER OF AGE>15'

/*BENIGN NEOPLASM OF FEMALE GENITAL ORGAN = 11

WHEN 218-2219
    SELECT DX1
          WHEN 219,2190,2211-2212,2218
               SELECT DX2
                    WHEN 0000,'    '                                           = 53
  TITLE  53 '11D1ND'
            'BEN NEOPL OF UTERUS(PAPILOMA,POLYP),VAGINA,VULVA WO DX2'
                    OWISE                                                       = 54
  TITLE  54 '11D1YD'
            'BEN NEOPL OF UTERUS(PAPILOMA,POLYP),VAGINA,VULVA W DX2'
          OWISE
               SELECT OPER1
                    WHEN 000,'   '                                              = 55
  TITLE  55 '11D2NS'
            'BEN NEOPL OF UTERUS(FIBROMA),OVARY WO OPER'
                    WHEN 091,780,925,913,300,314,451,452,483,484,
                         485,860,650,657,659,662,663,664,667,
                         669,671,672,694,690,691,696,701,702,709,
                         700,914
                         SELECT OPER2
                              WHEN 000,'   '                                    = 56
  TITLE  56 '11D2YSP1NS'
            'BEN NEOPL OF UTERUS(FIBROMA),OVARY W D&C,EXCISN UTERUS WO OPER2'
                              OWISE                                             = 57
  TITLE  57 '11D2YSP1YS'
            'BEN NEOPL OF UTERUS(FIBROMA),OVARY W D&C,EXCISN UTERUS W OPER2'
                    WHEN 671,311,578,652,655,682,
                         683,684-686,670,693,699,704,
                         706,793,384,889,897,654,661                            = 59
  TITLE  59 '11D2YSP3'
            'BEN NEOPL OF UTERUS(FIBROMA),OVARY W HYSTRECTMY(ABDOMINAL,VAGINAL)'
                    OWISE                                                       = 58
  TITLE  58 '11D2YSP2'
            'BEN NEOPL OF UTERUS(FIBROMA),OVARY W OOPHORECTMY,HYSTEROMYOMECTMY'

/*BENIGN NEOPLASM OF OTHER SITES = 12

WHEN 210-2169,2220-2221,2228-2264,2266-2399
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 2111,2115,2117,2123,
                         2300-2301,2303-2304,2307,2313,
                         2315,2320,2350,2362,2375,2381,2391,2399,2552,
                         2116,2139,225-2262,2264,2263,2280,2306,2373,
                         2374,2383,2386                                         = 61
  TITLE  61 '12NSD2'
            'BEN NEOPL OF BRAIN,PITUITARY GL,OTH UNSPEC WO OPER'
                    OWISE                                                       = 60
  TITLE  60 '12NSD1'
            'BEN NEOPL OF INTESTIN,URINARY SYST,LIPOMA,HEMANGIOMA WO OPER'
          OWISE
               SELECT DX1
                    WHEN 2112-2114,2119,2124-2125,2139,2231,
                         2255,2300-2301,2303,2313,2315,
                         2319-2321,2340,2349,235,2350,2362,2369,
                          2116,2117,2304-2307,2370,2373
                         SELECT OPER1
                              WHEN 238,240,261,270,271,280,300,
                                   418,428,602,630,642,
                                   011,022,023,030,032,095,
                                   154,402-404,372,373,933,341,343,
                                   332,542,545,511,450,455,461,465,
```

```
                                    483-485,497,554,684,713-715,800,
                                    801,805,033,034,273,314,321,331,
                                    345,391,398,437,502,512                    = 67
   TITLE  67 '12YSD2P2'
             'BEN NEOPL OF INTESTIN,NERVES W EXPLR LAPLATMY,OTH MAJOR OPER'
                               OWISE
                                    SELECT DX2
                                         WHEN 0000,'    '                      = 65
   TITLE 65 '12YSD2P1ND'
            'BEN NEOPL OF INTESTIN, NERVES W EXCISN ORG,OTH MINOR OPER WO DX2'
                                         OWISE                                 = 66
   TITLE  66 '12YSD2P1YD'
             'BEN NEOPL OF INTESTIN,NERVES W EXCISN ORG,OTH MINOR OPER W DX2'
                    WHEN 2110-2111,2115,2123,2230,2250-2254,2259,
                         2266,2262,2381,2384,2552,2260-2264,2389,2391          = 68
   TITLE  68 '12YSD3'
             'BEN NEOPL OF STOMACH,BRAIN,RESP SYST,PITUITARY GL W OPER'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                                 = 62
   TITLE  62 '12YSD1ND'
             'BEN NEOPL OF SKIN,BONE,URINARY SYST,CONN TISS W OPER WO DX2'
                               OWISE
                                    SELECT AGE
                                         WHEN 0-42                            = 63
   TITLE  63 '12YSD1YDA1'
             'BEN NEOPL OF SKIN,BONE,URINRY SYS,CONN TISS W OPER W DX2 OF AGE<43'
                                         OWISE                                 = 64
   TITLE  64 '12YSD1YDA2'
             'BEN NEOPL OF SKIN,BONE,URINRY SYS,CONN TISS W OPER W DX2 OF AGE>42'

/*DISEASES OF THYROID AND OTHER ENDOCRINE GLANDS = 13

WHEN 240-2460,251-2589,2265
     SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 2421,2422,2423,2429,2440,2521,2531-2532,
                         2539,2451,2459,2534                                   = 70
   TITLE  70 '13NSD2'
             'THYROTOXICOSIS,MYXEDEMA,PITUITARY HYPOFUNCTN WO OPER'
                    OWISE                                                      = 69
   TITLE  69 '13NSD1'
             'GOITER(SIMPL,NONTOXIC),ENDOC DIS(ADRNT,OTH MINOR) WO OPER'
          WHEN 240,010,018,430,451,452,479,480,490,411,500,514,
               520,C91,780,802,822,831,922,924,925,011,013,
               C76,075,171,154,202,225,301-303,067,068,070-073,381,
               340,540,439,440,493,585,861,683,659,791,793,884,885,
               889,897,077,524,788,800,832,860,870                             = 72
   TITLE  72 '13YSP2'
             'ENDOCRINE DISORDER W HYPOPHYSECTMY,PARATHYROIDECTMY OTH MAJ OPER'
          OWISE                                                                = 71
   TITLE  71 '13YSP1'
             'ENDOCRINE DISORDER W  MINOR OPER'

/*DIABETES = 14

WHEN 250-2507
     SELECT OPER1
          WHEN 000,'   '
               SELECT DX2
                    WHEN 0538,C539,0799,1330,1977,201-2019,2049,2423,
                         2429,244-2449,
                         2490-2999,3000,3010,
                         3001,3011,3002,3050,303-3039,3004,3008,3018,
                         3009,3019,306-3065,3078,3066,3067,3068,3070,
                         3071,3079,3069,306-3084,3088-3094,2099,3099,
                         3140,3043,3053,3049,3059,3209,3420,3449,
                         3472-3479,3500,3510,3574-3579,3753,3759,3840,
                         Y590-Y599,401-4550,4582-4589,462,470,4700,
                         481-4819,485,4860,491-4919,4920,493-4939,
                         511-5119,5170,5233,5319,5329,5379,5513,5514,
                         5631,5719,5741,5769,5770-5779,582,5829,5840,
                         5900,586-5869,5931-5935,5967,5969,5990,6073,
                         6221,6260,6809,6821,6824,6825,6963,704-7049,
```

```
                        7070-7079,7129,7131,7150,7171,7179,7202,7232,
                        7289,730-7301,7319,7471,7472,7799,7700,7701,
                        7802,7911,5851-5859,8204,8500,9200,9623,9965,
                        0113,0115,0152,0389,0701,0709,0971,0980,
                         3105,3132,3165,3551,3841,3940,3980,
                         5199,5710,5902,6869,7900,7902,7903                    = 75
   TITLE  75 '14NSX2'
             'DIABETES WO OPER W MAJOR DX2'
                   OWISE
                        SELECT AGE
                             WHEN 0-35                                       = 73
   TITLE  73 '14NSX1A1'
             'DIABETES OF AGE<36 WO OPER WO DX2 OR W MINOR DX2'
                             OWISE                                           = 74
   TITLE  74 '14NSX1A2'
             'DIABETES OF AGE>35 WO OPER WO DX2 OR W MINOR DX2'
          WHEN 238,240,251,261,270,271,280,300,418,428,571,550,591,
               885,923,924,172,174,142,165,166,154,219,261,283,284,
               933,377,469,482,888,573,635,636,641,649,662,666,663,
               664,665,669,680,704,706,731,721,741,690,785,801,
               823,886,231,137,156,167,179,230,273,341,378,401,
                530,532,543,553,582,598,623,672,710,749,751,753,762,
                836,869,871,887,914,925,782,783,786,790,835                  = 76
   TITLE  76 '14YSP1'
             'DIABETES W ENDOSCPY,BIPSY,PHOTOCOAGULATION RETINA,OTH MINOR OPER'
          OWISE                                                              = 77
   TITLE  77 '14YSP2'
             'DIABETES W AMPUTATN EXTREMITY,OTH MAJOR OPER'

/*NUTRITIONAL AND OTHER METABOLIC DISEASES = 15

WHEN 260-2790
     SELECT DX1
          WHEN 2640,2690,2698,2699,2710,2727,2730,279,2790,2638,268,
               2680,2692                                                     = 80
   TITLE  80 '15D2'
             'METABOLIC DIS OF CYSTIC FIBROSIS,SPRUE,STEATORRHEA,OTH & UNSPEC'
          WHEN 2639,2691,2700,2702,2711,2733,2734,
               2754,276,277,2769,2600,2760,2770                              = 81
   TITLE  81 '15D3'
             'METABOLIC DIS,OF UNSPEC OBESITY,AMYLOIDOSIS HEPATOLENTICULAR DEGN'
          OWISE
               SELECT DX2
                    WHEN 0000,'    '                                         = 78
   TITLE  78 '15D1ND'
             'METABOLIC DIS OF GOUT,GLOBULINOPATHY,XANTHOMATOSIS WO DX2'
                    OWISE                                                    = 79
   TITLE  79 '15D1YD'
             'METABOLIC DIS OF GOUT,GLOBULINOPATHY;XANTHOMATOSIS W DX2'

/*DISEASES OF BLOOD AND BLOOD FORMING ORGANS = 16

WHEN 280-2899
     SELECT OPER1
          WHEN 000,'   '
               SELECT DX2
                    WHEN 0039,0389,1850,2022,2023,2113,244-2449,
                         2509,2510,2580,2638,2691,2698,2699,2732,
                         274,2759,2819,2840,2869,2871,3020,3043,
                         3053,3049,3059,3959,3960-4389,4409,4439,
                         4630,4810,486,4860,4930,5010,5030,5170,
                         5300,5319,5329,5609,5630,5699,5749,5760,
                         5769,580,5950,5965,5966,7853,6829,7061,
                         7070,7071,7130,7131,7164,7210,7161,7703,
                         7755,7750-7752,7791,785,7828,5851-5859,
                         9250,9631,9642,9735,9779,9820,9942,
                         9960-9963,2500,2507,3132,3320,4500,
                          4511,4530,6954                                     = 85
   TITLE  85 '16NSX2'
             'DIS OF BLOOD & BLOOD FORMING ORG WO OPER W MAJOR DX2'
                    OWISE
                         SELECT DX1
                              WHEN 2820-2821,2824,2829,2840,285,
                                   2860-2861,2869,2878,2879,288-2889,
                                   2880,2893,2894,2895,2898,6345
```

```
                                    SELECT AGE
                                         WHEN 0-10                                  = 82
  TITLE  82 '16NSX1D1A1'
            'MEDITER ANEMIA,HEMOPHILIA OF AGE<11 WO OPER WO DX2 OR MINOR DX2'
                                         OWISE                                      = 83
  TITLE  83 '16NSX1D1A2'
            'MEDITER ANEMIA HEMOPHILIA OF AGE>10 WO OPER WO DX2 OR W MINOR DX2'
                                    OWISE                                           = 84
  TITLE  84 '16NSX1D2'
            'HEMOGLOBINOPATHY,THROMBOCYTOPENIA WO OPER WO DX2 OR W MINOR DX2'
          OWISE
              SELECT AGE
                   WHEN 0-1,54-99                                                   = 87
  TITLE  87 '16YSA2'
            'DIS OF BLOOD & BLOOD FORMING ORG W OPER OF AGE<1 OR AGE>53'
                    OWISE                                                           = 86
  TITLE  86 '16YSA1'
            'DIS OF BLOOD & BLOOD FORMING ORG W OPER OF AGE 2-53'

/*PSYCHOSES NOT ATTRIBUTED TO PHYSICAL CONDITIONS = 17

WHEN 306-3099
    SELECT DX1
          WHEN 3062,3063,3066,3068,3070,3071,3079,3069,3080,3088,
               3089,3090,3092,3094,2099,3099
               SELECT SERV
                    WHEN 6                                                          = 88
  TITLE  88 '17D1S1'
            'SCHIZO(PARANOID,CATATONIC,UNSPEC),INVOL MELANCHOLIA W PSYCH SERV'
                    OWISE                                                           = 89
  TITLE  89 '17D1S2'
            'SCHIZO(PARANOID,CATATONIC,UNSPEC),INVOL MELANCHOLIA WO PSYCH SERV'
          OWISE                                                                     = 90
  TITLE  90 '17D2'
            'SCHIZO(AFFECTIVE,ACUTE EPISODE),MANIC-DEPRESSIVE PSYCHOSIS'

/*NEUROSES = 18

WHEN 310-3129
    SELECT DX1
               WHEN 3104,3105,3107,311,3110-3119                                    = 92
  TITLE  92 '18D2'
            'NEUROSES(OBSESSIVE-COMPULSIVE,DEPRESSIVE),PERSONALITY DISORDERS'
              OWISE                                                                 = 91
  TITLE  91 '18D1'
            'NEUROSES(ANXIETY,HYSTERICAL,PHOBIC,HYPOCHONDRIACAL,UNSPEC)'

/*ALCOHOLIC MENTAL DISORDER AND ADDICTION = 19

WHEN 302-3029,313-3139
    SELECT DX2
          WHEN 0122,2639,2698,2708,2770,280-2809,2896-2899,3020,
               3025,3067,3069,3079,3090,3093,3105,3117-3119,
               3131,3132,3033-3038,3139,3141,3142,3145-3147,3043,
               3053,3160,3251,3472-3479,3559,410-4109,412-4129,
               4150-4152,4156,4157,4159,430-4389,4650,4821,
               485-4860,491-4919,5170,5190,5192-5194,5196-5197,
               496,4960,5370,5710,5711,5712,5718,5719,5731,
               5733-5739,5770,5771,5900,6929,7129,7124,7339,
               770-7701,7928,812+,9180,9250,9975,
                0092,3027,3089,3109,3110-3113,3579,3750,4020,4409,
                 4560,5732,5751,7802,7820,8140                                      = 94
  TITLE  94 '19X2'
            'ALCOHOLISM W LIVER CIRRHOSIS,DELIRIUM TREMENS OR OTH MAJOR DX2'
          OWISE                                                                     = 93
  TITLE  93 '19X1'
            'ALCOHOLISM WO DX2 OR W MINOR DX2'

/*OTHER MENTAL DISORDERS = 20

WHEN 290-2959,296-3019,303-3059,314-3189
    SELECT DX1
          WHEN 290-2949,2998,2997,302,3020,3025,3021,3026,
               3022-3024,3027,3029,296,2960,297,2970,2961,2971,2962,
               2972,2963,2973,2969,2979,298,2980,299,2990,2981,2991,
```

```
                2982,2992,2983,2993,2984,2994,2985,2995,2989,2999,
                300,301,3000,3010,3001,3011,3002,303-3039,3004,3008,
                3018,3009,3019,3164,3165,304-3045,3047-3049,305-3059          = 96
   TITLE  96 '20D2'
             'PSYCHOSIS, NONPSYCHOSIS RELATED BRAIN CONDITION'
           OWISE                                                              = 95
   TITLE  95 '20D1'
             'DRUG DEPENDENCE, DIS PRESUM PSYCHOGENIC ORIGIN,CEPHALAGIA'

/*DISEASES OF CENTRAL NERVOUS SYSTEM = 21

WHEN 320-3499
     SELECT OPER1
           WHEN 000,'    '
                SELECT DX1
                     WHEN 320-3209,322-3232,3300,3303,3309-3310,3320,
                          340,3400,342-3420,3441-3443,3471,349-3499            = 99
   TITLE  99 '21NSD2'
             'MULTIPL SCLEROSIS,PARALYSIS AGITANS,MENINGITIS,HEMIPLEGIA WO OPER'
                     OWISE
                          SELECT DX2
                               WHEN 0000,'     '                               = 97
   TITLE  97 '21NSD1ND'
             'EPILEPSY MIGRAINE,BRAIN DIS(UNSPEC) WO OPER WO DX2'
                               OWISE                                          = 98
   TITLE  98 '21NSD1YD'
             'EPILEPSY,MIGRAINE,BRAIN DIS(UNSPEC) WO OPER W DX2'
           WHEN 010,018,430,451,452,479,480,490,411,500,514,520,
                922,926,011,076,013-015,022,023,030,031,035,040,044,
                154,220-224,311,341,530-533,453-455,564,565,585,602,
                603,655,669,793,802,805,815,816,810,884,885,889,897,
                893,230                                                      = 101
   TITLE 101 '21YSP2'
             'DIS OF CENTRAL NERVOUS SYST W MAJOR OPER'
           OWISE                                                             = 100
   TITLE 100 '21YSP1'
             'DIS OF CENTRAL NERVOUS SYST W MINOR OPER'

/*DISEASES OF PERIPHERAL NERVOUS SYSTEM = 22

WHEN 350-3589
     SELECT OPER1
           WHEN 000,'    '
                SELECT DX1
                     WHEN 350-3500,351-3510,355-3559,356-3560,357-3573,
                          3574-3579                                          = 102
   TITLE 102 '22NSD1'
             'FACIAL PARALYSIS, NEURALGIA(TRIGEMINAL,OTH,UNSPEC) WO OPER'
                     OWISE                                                   = 103
   TITLE 103 '22NSD2'
             'SCIATICA,POLYNEURITIS WO OPER'
           OWISE
                SELECT DX1
                     WHEN 356,3560,357,3572,3589                            = 104
   TITLE 104 '22YSD1'
             'DIS OF MEDIAN NERVE W OPER'
                     OWISE
                          SELECT OPER1
                               WHEN 041,040,042,041,043,
                                    045-047,044,048,052,059,133,134,
                                    204,199,207,387,347-349,344,322,
                                    650,793,840,809,831,830,832,837,825,
                                    884,885,889,897,900,
                                    031,203,209,820,829,887,921              = 105
   TITLE 105 '22YSD2P1'
             'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MINOR OPER'
                               OWISE                                        = 106
   TITLE 106 '22YSD2P2'
             'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MAJOR OPER'

/*DISEASES OF EYE = 23

WHEN 360-3789
     SELECT OPER1
           WHEN 000,'    '
```

```
                SELECT DX1
                     WHEN 362,3620,3630,3639,
                          366-3669,367,3670,3690,3733-3738,3750,
                          3751,376,3770,3777,3771,3775,3786,
                          Y554,3760,3774,3776,3779,3788                    = 108
   TITLE 108 '23NSD2'
             'GLAUCOMA,KERATITIS(ULCERATN),DIS(UVEA,OPTIC NERVE,RETINA) WO OPER'
                     OWISE                                                 = 107
   TITLE 107 '23NSD1'
             'STRABISMUS,CATARACT,CHALAZION WO OPER'
          WHEN 411,500-514,520,780,927,929,081,085,033,086,
               087,092,089,094,096,097,093,095,112,115,122,
               114,119,172,170,176-178,110,150,160,
               179,100-102,104,109,120,121,123,130,129,141,149,
               166,153,156,157,159,194-196,226,229,542,543,
               544,663,664,709,783,834,835,837,884,885,889,897,
               891,218,900,090,091,111,151                                 = 109
   TITLE 109 '23YSP1'
             'DIS OF EYE W MYMECTMY,BLEPHARORRHAPHY,OTH MINOR OPER'
          WHEN 108,118,127,148,158,168,381,400,401,
               045-047,080,084,083,174,131-134,136,142,143,
               137,145,138,163,152,155,154,167,200,213,214,
               673,802,890,770,231                                         = 110
   TITLE 110 '23YSP2'
             'DIS OF EYE W EXTRACTN LENS,SCLEROTOMY,SCLERECTMY'
          OWISE                                                          = 111
   TITLE 111 '23YSP3'
             'DIS OF EYE W REATTACHMENT OF RETINA,KERATOPLASTY'

/*DISEASES OF EAR AND MASTOID PROCESS = 24

WHEN 380-3892
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 380,3800,3820,3830,384,3840,3842,3849,385,
                         3850,3879,3841,3870                               = 113
   TITLE 113 '24NSD2'
             'LABYRINTHITIS,MENIERES DIS WO OPER'
                     OWISE                                                 = 112
   TITLE 112 '24NSD1'
             'OTITIS MEDIA,CHRONIC MASTOIDITIS,OTOSCLEROSIS WO OPER'
          WHEN 189,200,190,192,208,210-212,219,316,310,282,
               285,295,730,884,889,897,185                                 = 114
   TITLE 114 '24YSP1'
             'DIS OF EAR W MYRINGOTOMY,ADENOIDECTMY OR OTH MINOR OPER'
          WHEN 090,111,121,171,213,218,220,091,780,
               922,924,925,011,173,125,126,135,136,142,155,180,
               181,183,184,186,203,204,199,207,541,511,861,187,
                010,384,440,493,500,712                                    = 116
   TITLE 116 '24YSP3'
             'DIS OF EAR W MASTOIDECTMY, EXCISN MIDDLE EAR, OTH MAJOR OPER'
          OWISE                                                          = 115
   TITLE 115 '24YSP2'
             'DIS OF EAR W STAPECTMY,TYMPANOPLASTY'

/*HYPERTENSIVE HEART DISEASES = 25

WHEN 400-4050
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX2
                    WHEN Y309,0389,218-2381,1800,240,2400,2419,
                         244-2449,2500-2509,2510,2521,2552,
                         2568,2569,2582-2589,2720-2722,2740,
                         277,2770,2790,280-2809,2824,2825-2827,2859,
                         3081,3105,3420-3500,400-4389,
                         4401-4589,4650,489-4891,4860,4900,
                         491-4919,493-4939,514-5149,5170,5192-5194,
                         5196-5197,496,4960,5319,5329,5512,5515,5516,
                         5621,5631,7129-7235,7124,
                         2164,5851-5990,
                         7929,7922,7926,7927,7928,8479,9701,9735,
                         9779,2539,3132,342,5191,5710,5719,5810,5830,
                          7703-7705,7780-7902,7920
```

```
                        SELECT DX1
                             WHEN 401,4010                                  = 118
  TITLE 118 '25NSX2D1'
            'ESSENTIAL BEN HYPERTENSION WO OPER W MAJOR DX2'
                             OWISE                                          = 119
  TITLE 119 '25NSX2D2'
            'MALIG HYPERTENSN,HYPERTENSIVE DIS(HT,RENAL)WO OPER W MAJOR DX2'
                        OWISE                                               = 117
  TITLE 117 '25NSX1'
            'HYPERTENSIVE HEART DIS WO OPER WO DX2 OR MINOR DX2'
          OWISE                                                             = 120
  TITLE 120 '25YS'
            'HYPERTENSIVE HEART DIS W OPER'

/*ACUTE MYOCARDIAL INFARCTION = 26

WHEN 410-4109                                                               = 121
  TITLE 121 '26'
            'ACUTE MYOCARDIAL INFARCTION'

/*ISCHEMIC HEART DISEASES EXCEPT A-M-I = 27

WHEN 411-4140
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX2
                    WHEN 0000,'    '                                       = 122
  TITLE 122 '27NSND'
            'ISCHEMIC HEART DIS EXCEPT A-M-I WO OPER WO DX2'
                    WHEN 0092,0799,1621,174-1742,2001,2090,244-2449,
                         2459,2500,2508,2531,2559,2698,2699,280-2809,
                         2810,3049,3059,2959,3420,3753,3759,403-4420,
                         450-4519,457-4579,4850,491-4919,514-5149,
                         5310,5610,5711,5712,5718,5830,595-5959,5990,
                         6231,6900,7062,7253,7259,7440,7531,7756,
                         7810,7802,7807,Y735,7928,7962,7963,846,3460,
                         9200,9220,9580,9642,9659,9731,9734,9935,
                         1830,1850,1990,2230,2429,2502,2819,2859,2871,
                         3400,3690,3749,3751,3940,3949,3959,3980,4860,6954,
                          7282,7473,8230                                    = 124
  TITLE 124 '27NSYDX2'
            'ISCHEMIC HEART DIS EXCEPT A-M-I WO OPER W MAJOR DX2'
                    OWISE                                                   = 123
  TITLE 123 '27NSYDX1'
            'ISCHEMIC HEART DIS EXCEPT A-M-I WO OPER W MINOR DX2'
          WHEN 933                                                          = 125
  TITLE 125 '27YSP1'
            'ISCHEMIC HEART DIS EXCEPT A-M-I W CARDIAC CATHETERIZATION'
          WHEN 022,023,051,154,311,312,387,383,392,354,350,
               353,352,351,357,360-363,396,370,930,340,
               429,542,511,431,432,443,445,451,452,455,493,571,572,
               602,610,611,620,861,721,785,793,847,848,893,
                332,341,345,356,373,381,382,391,884,886                     = 127
  TITLE 127 '27YSP3'
            'ISCHEMIC HEART DIS EXCEPT A-M-I W SHUNT OPER,OTH MAJOR OPER'
          OWISE                                                             = 126
  TITLE 126 '27YSP2'
            'ISCHEMIC HEART DIS EXCEPT A-M-I W ENDSCPY,INSERTN OF ELECTR DEVICE'

/*ARRYTHMIA AND SLOWED CONDUCTION = 28

WHEN 415-4169
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX2
                    WHEN 731,2050,2419,244-2449,2500,2521,2740,
                         2759,280-2809,2859,2997,3063,
                         3101,3102,3105,3115,3139,3420,Y590-Y599,
                         389,3890,3940,3959,3980,403-4039,405,4050-4129,
                          4131-4500,
                         489-4891,470,
                         4700,486,4860,490,4910,514-5149,5192-5194,
                         5196-5197,496,4960,5199,5270,5339,535,5350,
                         550-5502,5515,5516,5621,5749,5820,586-5869,
                         5931-5935,5990,7129,7565,
```

```
                        7583,7584,7833,7834                                  = 129
  TITLE 129 '28NSX2'
            'ARRYTHMIA & SLOWED CONDUCTN WO OPER W MAJOR DX2'
                  OWISE                                                      = 128
  TITLE 128 '28NSX1'
            'ARRYTHMIA & SLOWED CONDUCTN WO OPER WO DX2 OR W MINOR DX2'
          WHEN 430,451,452,479,480,490,041,300,314,30,933,378,932,
               340,428,602,663,664,839,884,885,889,897,890,
                181,203,321,341,343,376,934-936                            = 130
  TITLE 130 '28YSP1'
            'ARRYTHMIA & SLOWED CONDUCTN W REPLACE HT DEVICE, HT CATHETRIZATN'
          OWISE                                                            = 131
  TITLE 131 '28YSP2'
            'ARRYTHMIA & SLOWED CONDUCTN W INSERTN OF ELECTRIC HT DEVICE'

/*HEART FAILURE = 29

WHEN 427-4279
    SELECT OPER1
          WHEN 000,'    '                                                  = 132
  TITLE 132 '29NS'
            'HEART FAILURE WO OPER'
          OWISE                                                            = 133
  TITLE 133 '29YS'
            'HEART FAILURE W OPER'

/*CARDITIS, VALVULAR, AND OTHER DISEASES = 30

WHEN 390-3980,420-4269,429-4299
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN Y105,0092,0122,0389,136,1360,174-1742,
                         1970,2509,2520,2859,3132,3169,3049,
                         3059,2959,3913,3919,3940-4009,4032-4389,4400,4419,
                         450,4500,4519,4650,481-4819,486,4860,
                         491,4910,4919,4920,5070,
                         5170,5191,5192-5194,5196-5197,496,4960,5319,
                         535,5350,5719,5769,586-5869,5931-5935,7141,
                         7149,7250,7251,7456,
                         7457,7470,7703,7755,7756,7807,790-7909,
                         7922,8212,9730,9731,9971,9960-9963,
                         3204,3220,4469,4511,4549,4700,4800,4850,4890,
                          4900,4912,4939,5710,5718,5330,5852,5859,5901,
                          5902,7382-7453,7472,7473                         = 135
  TITLE 135 '30NSX2'
            'CARDITIS,VALVULAR HEART DIS WO OPER W MAJOR DX2'
                  OWISE                                                    = 134
  TITLE 134 '30NSX1'
            'CARDITIS,VALVULAR HEART DIS WO OPER WO DX2 OR W MINOR DX2'
          WHEN 922,924,051,387,400,390,383,357,933,932,
               540,581,583,592-596,662,663,664,690,691,674,790,
               800,801,884,885,889,897,890,231,244,249,302,308,641
                    SELECT DX2
                         WHEN Y105,0092,0122,0389,0799,136,1360,174-1742,
                              1970,2509,2520,277,2770,2859,3132,3169,
                              3049,3059,2959,3913,3919,3940-4389,
                              4400,4419,450,4500,4519,4650,481-4819,
                              486,4860,491-4919,4920,5070,511-5119,
                              514-5149,5170,5191,5192-5194,5196-5197,
                              496,4960,5319,535,5719,5769,586-5869,
                              5931-5935,7141,7149,7250,7251,7440,
                              7441,7451-7453,7456,7457,7470,7703,7755,
                              7756,7807,790-7909,7922,8212,9730,9731,
                              9971,9960-9963                               = 137
  TITLE 137 '30YSP1X2'
            'CARDITIS,VALVULAR HEART DIS W HT CATHETERIZATN W MAJOR DX2'
                  OWISE                                                    = 136
  TITLE 136 '30YSP1X1'
            'CARDITIS,VALVULAR HEART DIS W HT CATHETRIZATN WO DX2 OR MINOR DX2'
          OWISE                                                            = 138
  TITLE 138 '30YSP2'
            'CARDITIS,VALVULAR HEART DIS W HT VALVE OPER,OTH MAJOR OPER'

/*CEREBROVASCULAR DISEASES = 31
```

```
WHEN 430-4389
    SELECT OPER1
        WHEN 000,'   '
            SELECT DX1
                WHEN 435-4351,4310,4320,4381-4384
                    SELECT DX2
                        WHEN 0389,0538,0539,0929,1977,1986,
                             2041,2048,2313,2399,244-2449,
                             2500,2509,2551,2638,280-2809,
                             2819,2859,2860,2896-2899,
                             2997,2990,2981,2991,3082,3089,
                             3105,3043,3053,3056,3049,3059,
                             322-3221,342,3441,3442,3449,3452,
                             3454,346-3461,3471,3500,3580,
                             3753,3759,3940-4129,4166-4389,4400-4409,
                             4413,4414,442-4429,
                             4439,4444,4459,4464,4500-4519,
                             4530,4582-4588,470,4700,
                             4823,485-4860,491-4919,5039,
                             5080,5191,5272,5513,5516,5621,
                             5639,5693,5730,5732,5749,
                             586-5869,5931-5935,
                             5967,5969,5990,601-6019,6030,
                             6230,6267,710,7232,7239,
                             7216,7217,7219,7231,7161,7700,
                             7701,7736,7709,7810,7811,7812,
                             7814,7832,790-7909,7922,7929,
                             7927,7928,8010,8202,8540,8819,
                             8830,9440,9800
                              4419,4443,4449,5149,5303,5310          = 140
  TITLE 140 '31NSD1X2'
            'TRANSIENT CEREBRAL ISCHEMIA WO OPER W MAJOR DX2'
                        OWISE                                        = 139
  TITLE 139 '31NSD1X1'
            'TRANSIENT CEREBRAL ISCHEMIA WO OPER WO DX2 OR W MINOR DX2'
                WHEN 4330,4340,4360,437-4370,4380,4389
                    SELECT DX2
                        WHEN 0389,0538,0539,0929,1538-2381,
                             2399,244-2449,
                             2500-2509,2551,2638,280-2809,
                             2819,2859,2860,2896-2899,
                             2997,2990,2981,2991,3082,3089,
                             3105,3043,3053,3056,3049,3059,
                             322-3221,342,3441,3442,3449,3452,
                             3454,346-3461,3472,3479,3500,3580,
                             360-3850,3940-4389,4400,4409,
                             4413,4414,442-4429,4439,4444,4459,
                             4464,4500-4519,4530,4582-4589,
                             4650,470,4706,4823,485-4860,
                             491-4919,5039,5080,5191,5272,5513,
                             5516,5621,5639,5693,5694,5730,
                             5732,5749,586-5869,5931-5935,
                             595-5959,5967,5969,5990,601-6019,
                             6030,6230,6267,710,7130,7232,
                             7239,7216,7217,7219,7231,7161,
                             7700,7701,7736,7709,7810,7811,
                             7812,7814,7832,790-7909,7922,
                             7929,7927,7928,8010,8202,8540,
                             8819,8830,9440,9800,
                              3510,5311,5360,5515,5901,5902,5920,7960 = 142
  TITLE 142 '31NSD2X2'
            'CEREBRAL THROMBO-EMBOLISM WO OPER W MAJOR DX2'
                        OWISE                                        = 141
  TITLE 141 '31NSD2X1'
            'CEREBRAL THROMBO-EMBOLISM WO OPER WO DX2 OR W MINOR DX2'
                OWISE
                    SELECT DX2
                        WHEN 0389,0538,0539,0929,1977,1986,
                             2041,2048,2313,2399,244-2449,
                             2500,2509,2551,2638,280-2809,
                             2819,2859,2860,2896-2899,
                             2997,2990,2981,2991,3082,3089,
                             3105,3043,3053,3056,3049,3059,
                             322-3221,342,3441,3442,3449,
```

```
                                    3452,3454,346-3461,3471,3500,
                                    3580,3753,3759,3940-4389,4400-4409,
                                    4413,4414,442-4429,4439,4444,
                                    4459,4464,4500-4519,4530,4582-4589,
                                    4650,470,4700,4323,485-4860,
                                    491-4919,5039,5080,5191,5272,5513,
                                    5516,5621,5639,5693,5694,5730,
                                    5732,5749,586-5869,5931-5935,
                                    595-5959,5967,5969,5990,601-6019,
                                    6030,6230,6267,710,7130,7232,7239,
                                    7216,7217,7219,7231,7161,7700,7701,
                                    7736,7709,7810,7811,7812,7814,7832,
                                    790-7909,7922,7929,7927,7926,8010,
                                    8202,8540,8819,8830,9440,9800,
                                     2501,2502,2530,2589,3209,3420,3440,3443,
                                     3451,3459,3559,4443,4540,4541,4559,4737,
                                      4810,4900,5194,5196,5859,5900,5901,5902,
                                       5966,5989,5995,7282,7756          = 144
  TITLE 144 '31NSD3X2'
            'HEMORRHAGE(CEREBRAL,SUBARACHNOID) WO OPER W MAJOR DX2'
                              OWISE                                          = 143
  TITLE 143 '31NSD3X1'
            'HEMORRHAGE(CEREBRAL,SUBARACHNOID) WO OPER WO DX2 OR W MINOR DX2'
         OWISE                                                               = 145
  TITLE 145 '31YS'
            'CEREBROVASCULAR DISEASES W OPER'

/* DISEASES OF VASCULAR SYSTEM = 32

WHEN 440-4489,452-4549,456-4589
    SELECT OPER1
         WHEN 000,'   '
              SELECT DX1
                   WHEN 4402,4409,4410-4419,442-4429,
                        4431,4439,4440,4441,4443,4450-4479,452,4520,
                        453,4530,4540,4541,4560-4561,4581-4589
                        SELECT DX2
                             WHEN 0389,1730,180-1809,2111,2307,
                                  240,2400,2423,2429,250-2509,
                                  2521,2698,2699,2740,2759,277,2770,
                                  280-2809,2859,2869,2997,3082,
                                  3048,3058,3441,3442,3472-
                                  3479,3574-3579,366-3669,3753,
                                  3759,3771,3776,Y58-Y589,398,3980,
                                  401-4389,4400,4401,4402,4411,
                                  4412,4413,4414,4439,444+,450-
                                  4519,4530,4540-4549,489-4891,
                                  492,4920,513,5130,5192-5194,5196-5197,
                                  496,4960,5515,5516,5693,5694,5711,
                                  5712,5718,5741,5749,582,5820,586-
                                  5869,5931-5935,5970,5990,6824-
                                  6829,6929,6952,6954,7071,7080,
                                  7150,7232,7239,7216,7217,7219,
                                  7231,7389,7832,7922,7929,9623,
                                   3099,3100,3105,3132,4459,4463,
                                    4469,5320,5732,7130,7902                 = 148
  TITLE 148 '32NSD2X2'
            'ARTERIOSCLEROSIS,THROMBO-EMBO(ARTERY) WO OPER W MAJOR DX2'
                              OWISE                                          = 147
  TITLE 147 '32NSD2X1'
            'ARTERIOSCLEROSIS,THROMBO-EMBO(ARTERY) WO OPER DX2 OR W MINOR DX2'
                   OWISE                                                     = 146
  TITLE 146 '32NSD1'
            'LYMPHADENITIS,UNSPEC VARICOSE(LOWER EXT),RAYNOUDS SYND WO OPER'
         OWISE
              SELECT OPER1
                   WHEN 238,240,251,261,270,271,280,300,418,428,602,
                        621,630,642,691,780,913,191,210-212,219,222,
                        384,400-402,404,380,933,340,347-349,344,530-
                        533,543,544,470,570,630,613-632,619,629,634,
                        641,651,653,662,663,664,665,669,671,672,694,
                        706,785,803,782,880,881,883,891,
                        898,892,262,263,260,261,264,269,251,252,
                        253,254,273,066,218,231,244,285
                        SELECT AGE
```

```
                              WHEN 0-50                                          = 149
  TITLE 149 '32YSP1A1'
            'DIS OF VASCULAR SYST W EXCISN VARICOSE,OTH MINOR OPER OF AGE<51'
                              OWISE                                              = 150
  TITLE 150 '32YSP1A2'
            'DIS OF VASCULAR SYST W EXCISN VARICOSE,OTH MINOR OPER OF AGE>50'
                    WHEN 651,671,681,921,927,929,919,011,076,024,381,
                         383,385,395,380,391,392,336,390,353,352,351,
                         360-363,341,342,332,333,538,540,510,511,434-
                         438,440,488,554,555,602,842,846-848,815,816,
                         886,909,893                                          = 153
  TITLE 153 '32YSP3'
            'DIS OF VASCULAR SYST W RECONSTRUCTN ARTERY,AMPUTATN EXTREMITY'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                                 = 151
  TITLE 151 '32YSP2ND'
            'DIS OF VASCULAR SYST W SYMPATHECTMY,EXCISN VESSEL WO DX2'
                              OWISE                                            = 152
  TITLE 152 '32YSP2YD'
            'DIS OF VASCULAR SYST W SYMPATHECTMY,EXCISN VESSEL W DX2'

/*PULMONARY EMBOLISM = 33

WHEN 450-4500
     SELECT DX2
          WHEN 0399,1350,2313,2500-2509,2790,280-2809,2859,402-4389,
               4510-4519,453-4660,4800-4860,489-4891,4920,493-4939,
               5191,5192-5194,5196-5197,496,4960,5693,5694,5329,575,
               592,586-5869,5931-5935,595-5959,5990,5993-5999,6266,
               7130,7131,7232,7703,7704,7705,7755,7910,8100,8240,
               8242,8244,8246,8248                                            = 155
  TITLE 155 '33X2'
            'PULMONARY EMBOLISM W MAJOR DX2'
          OWISE                                                              = 154
  TITLE 154 '33X1'
            'PULMONARY EMBOLISM WO DX2 OR MINOR DX2'

/*PHLEBITIS AND THROMBOPHLEBITIS = 34

WHEN 451-4519
     SELECT DX2
          WHEN Y120-Y129, Y154,0092,0383,0388,0971,112-1129,
               1538-2022,2023,2080,2114,218,2180,2201,2376-2399,
               2500-2509,2720-2722,2740,2790,280-2809,2859,3441,
               3530,401-4339,4400,4439,4444,450,4500,4519,4530,
               454-4549,457-4579,4582-4589,4600,4810-5199,5320,
               5350,5621,5631,5640,5641,5719,5740,5741,5749,5769,
               5820,595-5939,5970,5990,5993-5999,600,6000,222,2220,
               6160-6163,6262,6824,6929,6960,7059,7062,7071,710,
               7100,7129,7130,7131,7179,7891,7890,7316,7317,7756,
               Y733,8230,8240,8242,8244,8246,8248,846,8460,9600,
               9964-9966,9985,9976,9978,9979,9988,9989,
                2419,2440,2449,2511,2730,3100,4409,5515,5830,5851,
                5901,5921,5934,5965,6100,7079,7250,7251,7253,7832,
                8209,8219                                                    = 157
  TITLE 157 '34X2'
            'PHLEBITIS & THROMBOPHLEBITIS W MAJOR DX2'
          OWISE                                                              = 156
  TITLE 156 '34X1'
            'PHLEBITIS & THROMBOPHLEBITIS WO DX2 OR W MINOR DX2'

/*HEMORRHOIDS = 35

WHEN 455-4559                                                                = 158
  TITLE 158 '35'
            'HEMORRHOIDS'

/*HYPERTROPHY OF TONSIL AND ADENOID = 36

WHEN 500-5000                                                                = 159
  TITLE 159 '36'
            'HYPERTROPHY OF TONSIL & ADENOID'

/*ACUTE U-R-I AND INFLUENZA = 37
```

```
WHEN 460-465C,470-4700
    SELECT AGE
           WHEN 0-44                                                    = 160
  TITLE 160 '37A1'
           'ACUTE U-R-I & INFLUENZA OF AGE<45'
           OWISE                                                        = 161
  TITLE 161 '37A2'
           'ACUTE U-R-I & INFLUENZA OF AGE >44'

/*OTHER DISEASES OF UPPER RESPIRATORY TRACT = 38

WHEN 501-5C89
    SELECT OPER1
           WHEN 000,'    '                                              = 162
  TITLE 162 '38NS'
           'DIS OF UPPER RESP TRACT EXCEPT ACUTE U-R-I & INFLUENZE WO OPER'
           WHEN 090,111,121,171,189,208,220,238,240,
                261,271,280,418,428,320,331,341,342,
                372,420,411,500,514,520,921,020,051,178,207,213,
                214,215,219,226,229,300,314,310,319,231,283,
                284,232,285,531,780,896,251,252,253,254,273,231,
                 216,221,269                                            = 163
  TITLE 163 '38YSP1'
           'DIS OF UPPER RESP TRACT W BIPSY,ENDOSCPY,SECTN NASAL SEPTUM'
           OWISE                                                        = 164
  TITLE 164 '38YSP2'
           'DIS OF UPPER RESP TRACT W RHINOPLASTY,SINUSOTOMY,PLASTIC OPER NOSE'

/*PNEUMONIA = 39

WHEN 480-4860
    SELECT OPER1
           WHEN 000,'    '
                SELECT AGE
                       WHEN 0-30                                        = 165
  TITLE 165 '39NSA1'
                'PNEUMONIA OF AGE<31'
                       OWISE
                            SELECT DX2
                                   WHEN 0000,'    '                     = 166
  TITLE 166 '39NSA2ND'
                'PNEUMONIA OF AGE>30 WO DX2 WO OPER'
                                   OWISE                                = 167
  TITLE 167 '39NSA2YD'
                'PNEUMONIA OF AGE>30 W DX2 WO OPER'
           OWISE                                                        = 168
  TITLE 168 '39YS'
           'PNEUMONIA W OPER'

/*BRONCHITIS = 40

WHEN 489-4919
    SELECT AGE
           WHEN 0-45                                                    = 169
  TITLE 169 '40A1'
           'BRONCHITIS OF AGE<46'
           OWISE
                SELECT DX2
                     WHEN Y158,0190,0399,1179,240,2400,
                          2420,244-2449,2501,2770,2810,2812,2859,
                          2893,2894,3105,3400,3420,3441,3600,3819,
                          3949,4100-4389,4400,4500,455-4559,4580,
                          4582-4589,4619,4620,4650,4660,470,4700,
                          4721-4729,4731-4739,4741-4779,481-4899,
                          490,4900,492,4920,493-4939,5021,5030,
                          5082,5084,514-5149,5170,5191,5192-5194,
                          5196-5197,496,4960,5210,5292,5329,5339,
                          5350,5515,5516,5621,5698,5693,5694,5710,
                          5731,5733,5734,5735,5736,5739,5750,5771,
                          600,6000,222,6820,710,7100,7129,7130,
                          7131,7228,7229,7239-7239,7703,7730-7732,
                          7741,7761,7781,7922,Y735,7929,7927,7910,
                          7962,7963,8070,8509,9674-9679,9731,9976,
                          9978,9979,9988,9989,7833,7834,
```

```
                        1490-2390,0092,0700,2500,3050,3053,3059,
                        3082,3089,3100,3431,3471,3496,3551,4409,4413,
                        4800,4912,5110,5119,5129,5161,5162,5310,5320,
                         5330,5331,5751,5770,5852                          = 171
  TITLE 171 '40A2X2'
            'BRONCHITIS OF AGE>45 W MAJOR DX2'
                  OWISE                                                    = 170
  TITLE 170 '40A2X1'
            'BRONCHTIS OF AGE>45 WO DX2 OR W MINOR DX2'

/*ASTHMA = 41

WHEN 493-4939
    SELECT AGE
          WHEN 0-30                                                        = 172
  TITLE 172 '41A1'
            'ASTHMA OF AGE<31'
          OWISE
               SELECT DX2
                     WHEN 0000,'    '                                     = 173
  TITLE 173 '41A2ND'
            'ASTHMA OF AGE>30 WO DX2'
                  OWISE                                                    = 174
  TITLE 174 '41A2YD'
            'ASTHMA OF AGE>30 W DX2'

/*OTHER LUNG AND PLEURAL DISEASES = 42

WHEN 492-4920,494-4960,510-5199
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                     WHEN 5110,512-5129,514-5149,5159,494,4940,5199,
                          4950,5101,5161,5163,5190,5197                    = 175
  TITLE 175 '42NSD1'
            'PNEUMOTHORAX,PLEURISY,PUL CONGESTN WO OPER'
                     OWISE
                          SELECT DX2
                               WHEN 0113,0190,0389,1541,1621,1850,
                                    1989,199,1990,208,2080,2381,244-2449,
                                    2510,2690,277,2770,2819,2859,
                                    2890,3132,3140,3049,3059,
                                    3441,3452,3559,3959-4109,4021-4129,
                                    4162-4389,4439,4459,4500,4620,4650,470,4700,
                                    481-4860,4900,491-4918,4931-4939,
                                    514-5149,5162,5170,494,4940,5192-5194,
                                    5196-5197,496,4960,5199,5302,5329,
                                    5630,5769,5910,
                                    595-5958,6822,
                                    7070,7124,7131,7150,7230,
                                    7319,7161,7702,7781,7811,7812,
                                    790,7909,7865,7920,7962,7963,
                                    8052,8070,8641,9600,9605,9731,
                                    0380,0382,0385,2500,2502,2580,
                                     2740,2751,2759,2780,3082,4460,
                                     4511,5191,4920,5601,5621,5623,
                                     5736,7788,7904,7905,7907                = 177
  TITLE 177'42NSD2X2'
            'EMPHYSEMA,EMPYEMA,ABSCESS,ACUTE EDEMA WO OPER W MAJOR DX2'
                               OWISE                                       = 176
  TITLE 176 '42NSD2X1'
            'EMPHYSEMA,EMPYEMA,ABSCESS, EDEMA WO OPER WO DX2 OR W MINOR DX2'
          WHEN 320,342,420,430,451,452,479,480,490,
               411,500,514,520,921,922,924,926,040,094,097,
               181,183,317,319,282,401,933,377,932,032,341,335,
               540,603,860,783,784,859,803,890,218,
                061,087,281,315,323,340,400,482,485,492,641,822,832,910
               SELECT DX2
                     WHEN 0000,'    '                                     = 178
  TITLE 178 '42YSP1ND'
            'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACTMY,OTH MINOR OPER WO DX2'
                     OWISE                                                = 179
  TITLE 179 '42YSP1YD'
            'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACOTMY,OTH MINOR OPER W DX2'
          OWISE                                                            = 180
```

```
  TITLE 180 '42YSP2'
            'DIS OF LUNG & PLEURA W LOBECTOMY,OTH MAJOR OPER'

/*DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS = 43

WHEN 520-5299
    SELECT DX1
        WHEN 520-5215                                                    = 181
  TITLE 181 '43D1'
            'MINOR PROBLEMS OF TEETH'
        OWISE                                                            = 182
  TITLE 182 '43D2'
            'MAJOR PROBLEMS OF TEETH,DIS(JAW,SALIVARY GLD,OTH ORAL SOFT TISSUE)'

/*GASTRIC AND PEPTIC ULCER = 44

WHEN 531-5343
    SELECT OPER1
        WHEN 000,'   '
            SELECT DX2
                WHEN 0000,'    '                                         = 183
  TITLE 183 '44NSND'
            'GASTRIC & PEPTIC ULCER WO OPER WO DX2'
                OWISE                                                    = 184
  TITLE 184 '44NSYD'
            'GASTRIC & PEPTIC ULCER WO OPER W DX2'
        WHEN 045-047,051,091,385,542,413,430,431,432,434-439,
             442-445,453,454,463,457,482,556,602,649,721,815,816,
              332,423,440,441,450
            SELECT DX2
                WHEN 0000,'    '                                         = 186
  TITLE 186 '44YSP2ND'
            'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,OTH MAJOR OPER WO DX2'
                OWISE                                                    = 187
  TITLE 187 '44YSP2YD'
            'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,OTH MAJOR OPER W DX2'
        OWISE                                                            = 185
  TITLE 185 '44YSP1'
            'GASTRIC & PEPTIC ULCER W BIPSY,ENDOSCPY,ENTRORRHAPHY,OTH MINOR OP'

/*UPPER G-I DISEASES EXCEPT GASTRIC AND PEPTIC ULCER = 45

WHEN 530-5309,535-5379
    SELECT OPER1
        WHEN 000,'   '
            SELECT DX2
                WHEN 0000,'    '                                         = 188
  TITLE 188 '45NSND'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER WO DX2'
                OWISE                                                    = 189
  TITLE 189 '45NSYD'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER W DX2'
        WHEN 430,451,452,479,480,490,091,780,921,923,924,927,
             929,292,065,933,424,428,530-533,433,441,690,691,
             859,832,880,881,883,884,885,889,897,230,
             038,123,181,221,231,294,300,470,496,534,641,
              822,831,925
            SELECT DX2
                WHEN 0000,'    '                                         = 190
  TITLE 190 '45YSP1ND'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,OTH MINOR OPER WO DX2'
                OWISE                                                    = 191
  TITLE 191 '45YSP1YD'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,OTH MINOR OPER W DX2'
        OWISE                                                            = 192
  TITLE 192 '45YSP2'
            'UPPER G-I DIS EXCEPT PEPTIC ULCER W MAJOR OPER'

/*APPENDICITIS = 46

WHEN 540-5430
    SELECT DX1
        WHEN 5401,542-5430
            SELECT DX2
                WHEN 0000,'    '                                         = 195
```

```
   TITLE 195 '46D2ND'
             'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) WO DX2'
                   OWISE                                                    = 196
   TITLE 196 '46D2YD'
             'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) W DX2'
          OWISE
               SELECT DX2
                     WHEN 0000,'    '                                       = 193
   TITLE 193 '46D1ND'
             'APPENDICITIS(WITHOUT PERITONITIS) WO DX2'
                   OWISE                                                    = 194
   TITLE 194 '46D1YD'
             'APPENDICITIS(WITHOUT PERITONITIS) W DX2'

/*HERNIA OF ABDOMINAL CAVITY = 47

WHEN 550-5539
     SELECT AGE
          WHEN 0-14                                                         = 197
   TITLE 197 '47A1'
             'ABD HERNIA OF AGE<15'
          WHEN 15-64
               SELECT DX1
                     WHEN 550-5502,5512
                          SELECT DX2
                                WHEN 0000,'    '                           = 198
   TITLE 198 '47A2D1ND'
             'INGUINAL HERNIA(WO OBSTRUCTN) OF 14<AGE<65 WO DX2'
                                OWISE                                       = 199
   TITLE 199 '47A2D1YD'
             'INGUINAL HERNIA (WO OBSTRUCTN) OF 14<AGE<65 W DX2'
                          OWISE
                                SELECT OPER1
                                WHEN 000,'   '                              = 200
   TITLE 200 '47A2D2NS'
             'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65 WO OPER'
                                WHEN 430,451,452,479,480,490,922,923,
                                     927,929,428,530-533,535,536,534,
                                     543,544,549,612,630,663,664,
                                      422,434,541,482,690,924-926           = 201
   TITLE 201 '47A2D2YSP1'
             'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65 W MINOR REPAIR OPER'
                                OWISE                                       = 202
   TITLE 202 '47A2D2YSP2'
             'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65 W MAJOR REPAIR OPER'
          OWISE
               SELECT OPER1
                     WHEN 000,'   '                                         = 203
   TITLE 203 '47A3NS'
             'ABD HERNIA OF AGE>64 WO OPER'
                     WHEN 320,331,341,342,372,420,621,630,
                          642,922,923,924,428,530-533,541,
                          543,544,547,451,452,493,704,706,
                           382,384,385,534,622,707,771                      = 204
   TITLE 204 '47A3YSP1'
             'ABD HERNIA OF AGE>64 W MINOR REPAIR OPER'
                     OWISE                                                  = 205
   TITLE 205 '47A3YSP2'
             'ABD HERNIA OF AGE>64 W MAJOR REPAIR OPER'

/*ENTRITIS, DIVERTICULA, AND FUNCTIONAL DISORDER OF INTESTINE = 48

WHEN 561-5649
     SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                     WHEN 5621,5630-5631,5639,5620,5622,5632                = 207
   TITLE 207 '48NSD2'
             'INTESTINL DIVERTICULA,REGIONL ENTERITIS,ULCERATIVE COLITIS WO OPER'
                     OWISE                                                  = 206
   TITLE 206 '48NSD1'
             'FUNCTNAL DISORDER OF INTESTINE WO OPER'
          WHEN 381,400,401,091,780,395,541,542,544,545,434-438,
               442,450-452,460,453-456,461,456,459,481-485,551,550,
               575,576,585,602,660,701,684,689,697,380,392,422,431,
```

```
              440,502,511,805                                                  = 210
  TITLE 210 '48YSP2'
            'INTESTIN(DIVERTICULA,FUNCTNL DISORDER) W RESECTN,OTH MAJOR OPER'
          OWISE
              SELECT DX2
                  WHEN 0000,'    '                                            = 208
  TITLE 208 '48YSP1ND'
            'INTESTIN(DIVERTICULA,FUNCTNL DISORDER) W MINOR OPER WO DX2'
                  OWISE                                                       = 209
  TITLE 209 '48YSP1YD'
            'INTESTIN(DIVERTICULA,FUNCTNL DISORDER) W MINOR OPER W DX2'

/*DISEASES OF ANUS = 49

WHEN 565-5660,685-6850
    SELECT DX2
          WHEN 0000,'    '                                                    = 211
  TITLE 211 '49ND'
            'DIS OF ANUS WO DX2'
          OWISE                                                               = 212
  TITLE 212 '49YD'
            'DIS OF ANUS W DX2'

/*MISCELLANEOUS DISEASES OF INTESTINE AND PERITONEUM = 50

WHEN 560-5609,567-5699
    SELECT OPER1
          WHEN 000,'   '
              SELECT AGE
                  WHEN 0-55                                                   = 213
  TITLE 213 '50NSA1'
            'MISC DIS OF INTESTIN & PERITONEUM OF AGE<56 WO OPER'
                  OWISE
                      SELECT DX2
                          WHEN 0000,'    '                                    = 214
  TITLE 214 '50NSA2ND'
            'MISC DIS OF INTESTIN & PERITONEUM OF AGE>55 WO OPER WO DX2'
                          OWISE                                               = 215
  TITLE 215 '50NSA2YD'
            'MISC DIS OF INTESTIN & PERITONEUM OF AGE>55 WO OPER W DX2'
          WHEN 913,380,383,442,486,482,487,491,492,493,494,496,
               497,619,629,634,651,665,669,690,691,703,750,839,
               890,231,480,489,573,700,737,914,641                            = 216
  TITLE 216 '50YSP1'
            'MISC DIS OF INTESTIN & PERITONEUM W LOCAL INCISN,EXCISN'
          WHEN 071,550,091,780,802,822,851,391,392,336,530-533,
               539,542,545,470,513,514,510,511,430,433,441,434-438,
               440,450,460,453,454,455,456,462,461,463,459,464,467,
               483,484,485,486,571,572,579,591,585,602,805,880,
               881,884,389,897,431,444
               SELECT DX2
                  WHEN 0000,'    '                                            = 219
  TITLE 219 '50YSP3ND'
            'MISC DIS OF INTESTIN & PERITONEUM W MAJOR OPER WO DX2'
                  OWISE                                                       = 220
  TITLE 220 '50YSP3YD'
            'MISC DIS OF INTESTIN & PERITONEUM W MAJOR OPER W DX2'
          OWISE
              SELECT DX2
                  WHEN 0000,'    '                                            = 217
  TITLE 217 '50YSP2ND'
            'MISC DIS OF INTESTIN & PERITONEUM W ENDOSCOPY OF INTESTINE WO DX2'
                  OWISE                                                       = 218
  TITLE 218 '50YSP2YD'
            'MISC DIS OF INTESN & PERITONEUM W ENDOSCOPY OF INTESTINE W DX2'

/*DISEASES OF LIVER = 51

WHEN 070-0709,570-5739
    SELECT DX1
          WHEN 070-0709,570-5700,5730-5732
              SELECT AGE
                  WHEN 0-40                                                   = 221
  TITLE 221 '51D1A1'
            'HEPATITIS(INFECTIOUS,SERUM),SUBACUTE NECROSIS OF LIVER OF AGE<41'
```

```
                    OWISE                                                    = 222
  TITLE 222 '51D1A2'
            'HEPATITIS(INFECTIOUS,SERUM),SUBACUTE NECROSIS OF LIVER OF AGE>40'
          OWISE
               SELECT DX2
                    WHEN 0383,0388,0389,0700-0709,174-1742,1850,2500,
                         2509,2639,2652,2732,280-2809,2810,2812,2819,
                         2859,2895,2099,3100,3132,3043,3053,3049,
                         3059,3959,403-4039,405,4050,4120-4129,
                         4230-4239,4290,4299,436-4361,437-4370,
                         4550-4559,4560-4561,4563,4569,4650,486,
                         5170,5319,5350,5680,5698,5693,5094,
                         5700-5730,5732,5731,5733,5734,5735,5736,
                         5739,5747,575,5770,584,5840,5901,5990,6951,
                         7526,7650,7652,7654-7657,7659,7828,
                         7807,790-7909,7891,5851-5859,793-7939,
                         8540,6995                                           = 224
  TITLE 224 '51D2X2'
            'LIVER CIRRHOSIS W MAJOR DX2'
                    OWISE                                                    = 223
  TITLE 223 '51D2X1'
            'LIVER CIRRHOSIS WO DX2 OR W MINOR DX2'

/*DISEASES OF GALL BLADDER AND BILE DUCT = 52

WHEN 574-5769
    SELECT OPER1
          WHEN 000,'    '
               SELECT AGE
                    WHEN 0-50                                                = 225
  TITLE 225 '52NSA1'
            'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE<51'
                    OWISE                                                    = 226
  TITLE 226 '52NSA2'
            'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE>50'
          OWISE
               SELECT DX2
                    WHEN 0000,'     '                                        = 227
  TITLE 227 '52YSND'
            'DIS OF GALL BLADDER & BILE DUCT W OPER WO DX2'
                    OWISE
                         SELECT AGE
                              WHEN 0-64                                      = 228
  TITLE 228 '52YSYCA1'
            'DIS OF GALL BLADDER & BILE DUCT W OPER W DX2 OF AGE<65'
                              OWISE                                          = 229
  TITLE 229 '52YSYCA2'
            'DIS OF GALL BLADDER & BILE DUCT W OPER W DX2 OF AGE>64'

/*DISEASES OF PANCREAS = 53

WHEN 577-5779
    SELECT OPER1
          WHEN 000,'    '                                                    = 230
  TITLE 230 '53NS'
            'DIS OF PANCREAS WO OPER'
          OWISE                                                              = 231
  TITLE 231 '53YS'
            'DIS OF PANCREAS W OPER'

/*DISEASES OF KIDNEY AND URETER = 54

WHEN 580-5910,593-5939
    SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN 0000,'     '                                        = 232
  TITLE 232 '54NSND'
            'DIS OF KIDNEY & BLADDER WO OPER WO DX2'
                    OWISE
                         SELECT DX1
                              WHEN 583,5830,584,5840,5901,593,5930,
                                   5938,5937,5939                            = 233
  TITLE 233 '54NSYCD1'
            'NEPHRITIS(UNQUALIFIED),PYELONEPHRITIS(OTH) WO OPER W DX2'
```

```
                                OWISE
                                     SELECT AGE
                                          WHEN 0-64                                  = 234
   TITLE 234 '54NSYDD2A1'
             'NEPHR SYND, NEPHRITIS(CHR),UREMIA WO OPER W DX2 OF AGE<65'
                                          OWISE                                      = 235
   TITLE 235 '54NSYDD2A2'
             'NEPHROTIC SYND,NEPHRITIS(CHR),UREMIA WO OPER W DX2 OF AGE>64'
           WHEN 071,550,591,571,651,671,681,381,
                400,401,923,924,925,927,929,154,383,395,382,
                391,386,931,549,511,451,452,455,488,
                482,557,559,560,593,561,569,575,576,570,581,582,
                583,592-596,585,584,589,597,610,611,620,623,860,
                662,663,664,690,691,741,880,881,683,884,885,889,
                897,893,067,210,470,599,672,683,694,699,706,340,380,542
                SELECT DX1
                     WHEN 583,5830,584,5840,5901,593,5930,5938,
                          5937,5939,5933,5936                                        = 236
   TITLE 236 '54YSP1D1'
             'DIS OF URETER,NEPHROTIC SYND W CYSTSCPY,BIPSY,OTH MINOR OPER'
                     OWISE                                                           = 237
   TITLE 237 '54YSP1D2'
             'NEPHRITIS,NEPHROSIS,PYELITIS W CYSTSCPY,BIPSY,OTH MINOR OPER'
           OWISE                                                                     = 238
   TITLE 238 '54YSP2'
             'DIS OF KIDNEY & URETER W NEPHRECTMY,KID TRANSPLANT,OTH MAJOR OPER'

/*URINARY CALCULUS = 55

WHEN 592-5921,594-5949
     SELECT OPER1
           WHEN 000,'   '
                SELECT DX2
                     WHEN 0000,'    '                                              = 239
   TITLE 239 '55NSND'
             'URINARY CALCULUS WO OPER WO DX2'
                     OWISE                                                         = 240
   TITLE 240 '55NSYD'
             'URINARY CALCULUS WO OPER W DX2'
           WHEN 091,780,923,493,550-552,553-555,558,559,562,
                568,571,572,574-576,578,580,602,604-606,663,664,
                 392,455,469,542,565                                              = 242
   TITLE 242 '55YSP2'
             'URINARY CALCULUS W NEPHROTMY,CYSTOTMY,URETEROTMY,OTH MAJOR OPER'
           OWISE                                                                   = 241
   TITLE 241 '55YSP1'
             'URINARY CALCULUS W CYSTSCPY,CATHETER TO KIDNEY,OTH MINOR OPER'

/*CYSTITIS AND OTHER URINARY DISEASES = 56

WHEN 595-5999
     SELECT OPER1
           WHEN 000,'   '
                SELECT DX2
                     WHEN 0000,'    '                                              = 243
   TITLE 243 '56NSND'
             'CYSTITIS & OTH URINARY DIS WO OPER WO DX2'
                     OWISE
                          SELECT DX1
                               WHEN 595-5959,5962,597,5970,598-5989               = 244
   TITLE 244 '56NSYDD1'
             'CYSTITIS,URETHRITIS,STRICTURE URETHRA WO OPER W DX2'
                          OWISE
                               SELECT AGE
                                    WHEN 0-45                                     = 245
   TITLE 245 '56NSYDD2A1'
             'BLADDER(FISTULA,DIVERTICULA,OTH DIS) WO OPER W DX2 OF AGE<46'
                               OWISE                                              = 246
   TITLE 246 '56NSYDD2A2'
             'BLADDER(FISTULA DIVERTICULA,OTH DIS) WO OPER W DX2 OF AGE>45'
           WHEN 860,921,581,703,716,730,886                                       = 247
   TITLE 247 '56YSP1'
             'DIS OF BLADDER & URETHRA W MEATOMY'
           WHEN 924,031,291,333,542,511,440,467,491,552,554,558,
                564,565,566,567,568,571,572,575,576,577,578,570,
```

```
              600,601,602,623,663,664,702,704,706                          = 250
  TITLE 250 '56YSP3'
            'DIS OF BLADDER & URETHRA W CYSTECTMY,PROSTECTMY,OTH MAJOR OPER'
          OWISE
              SELECT AGE
                  WHEN 0-14                                                = 248
  TITLE 248 '56YSP2A1'
            'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,DIL,REPAIR OF AGE<15'
                  OWISE                                                    = 249
  TITLE 249 '56YSP2A2'
            'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,DIL,REPAIR OF AGE>14'

/*DISEASES OF PROSTATE = 57

WHEN 2222,600-6029
    SELECT OPER1
          WHEN 000,'    '                                                  = 251
  TITLE 251 '57NS'
            'DIS OF PROSTATE WO OPER'
          WHEN 430,451,452,479,480,490,561,571,589,630,
               642,925,560,598,573,580,581,582,583,592-596,585,
               600,601,621,622,641,231
               SELECT DX2
                  WHEN 0000,'     '                                        = 252
  TITLE 252 '57YSP1ND'
            'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY WO DX2'
                  OWISE                                                    = 253
  TITLE 253 '57YSP1YD'
            'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY W DX2'
          WHEN 381,400,401,301-303,530-533,511,567,574,575,
               576,578,579,591,603,635,656,774,814,817,818,819,604         = 256
  TITLE 256 '57YSP3'
            'DIS OF PROSTATE W SUPRAPUBIC PROSTECTOMY'
          OWISE
              SELECT DX2
                  WHEN 0000,'     '                                        = 254
  TITLE 254 '57YSP2ND'
            'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY WO DX2'
                  OWISE                                                    = 255
  TITLE 255 '57YSP2YD'
            'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY W DX2'

/*DISEASES OF MALE GENITAL ORGANS = 58

WHEN 603-6079
    SELECT DX1
          WHEN 605,6050,6073                                               = 257
  TITLE 257 '58D1'
            'REDUNDANT PREPUCE & PHIMOSIS'
          OWISE
              SELECT OPER1
                  WHEN 000,'    '                                          = 258
  TITLE 258 '58D2NS'
            'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS WO OPER'
                  OWISE
                      SELECT AGE
                          WHEN 0-44                                        = 259
  TITLE 259 '58D2YSA1'
            'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS W OPER OF AGE<45'
                          OWISE                                            = 260
  TITLE 260 '58D2YSA2'
            'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS W OPER OF AGE>44'

/*DISEASES OF FEMALE GENITAL ORGANS = 59

WHEN 612-6299
    SELECT OPER1
          WHEN 000'    '
              SELECT DX1
                  WHEN 626-6268,6269                                       = 261
  TITLE 261 '59NSD1'
            'DISORDER OF MENSTRUATION WO OPER'
                  OWISE
                      SELECT DX2
                          WHEN 0000,'     '                                = 262
```

```
  TITLE 262 '59NSD2ND'
            'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF MENSTRUATION WO DX2'
                  OWISE                                                    = 263
  TITLE 263 '59NSD2YD'
            'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF MENSTRUATION W DX2'
          WHEN 411,500,514,520,926,913,
               915,030,317,549,663,664,667,665,669,680,
               681,671,672,691,674,675,695,697,670,
               692,693,699,701,702,700,710-712,716,690,843,
               884,885,889,897
               SELECT DX2
                  WHEN 0000,'    '                                          = 264
  TITLE 264 '59YSP1ND'
            'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,SALPHINGECTMY WO DX2'
                  OWISE                                                    = 265
  TITLE 265 '59YSP1YD'
            'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,OTH MINOR OPER W DX2'
          OWISE                                                            = 266
  TITLE 266 '59YSP2'
            'DIS OF FEMALE GEN ORG W HISTERECTMY,REPAIR FEMALE GEN ORG,MAJ OPER'

/*DISEASES OF BREAST = 60

WHEN 217-2179,610-6119
    SELECT DX2
          WHEN 0000,'    '
               SELECT DX1
                  WHEN 217-2179,610-6100                                   = 267
  TITLE 267 '60ND01'
            'BEN NEOPL,CHR CYSTIC DIS OF BREAST WO DX2'
                  OWISE                                                    = 268
  TITLE 268 '60ND02'
            'ACUTE MASTITIS,HYPERTROPHY   OF BREAST WO DX2'
          OWISE
               SELECT AGE
                  WHEN 0-55                                                = 269
  TITLE 269 '60YDA1'
            'DIS OF BREAST W DX2 OF AGE<56'
                  OWISE                                                    = 270
  TITLE 270 '60YDA2'
            'DIS OF BREAST W DX2 OF AGE>55'

/*ABORTION = 61

WHEN 640-6469
    SELECT DX2
          WHEN 0000,'    '                                                = 271
  TITLE 271 '61ND'
            'ABORTION WO DX2'
          OWISE                                                            = 272
  TITLE 272 '61YD'
            'ABORTION W DX2'

/*OBSTETRICAL DISEASES OF ANTEPARTUM AND PUERPERIUM = 62

WHEN 631-6399,670-6789
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                  WHEN 6348                                                = 273
  TITLE 273 '62NSD1'
            'FALSE LABOR WO OPER'
                  WHEN 6313-6318,6352-6356,6358,6359,
                       6370,6371,6378,6372,6373,6379,6380-6381,
                       670,6700,6772,6740,675,6750,
                       6351,6357,6391,6779,6780,6781                       = 275
  TITLE 275 '62NSD3'
            'TOXEMIA,HYPEREMESIS GRAVIDARUM,THROMBOPHLEBITIS(PUERPERAL)WO OPER'
                  OWISE                                                    = 274
  TITLE 274 '62NSD2'
            'THREATENED ABORTION,PLACENTA PREVIA,OTH HEMORR PREGNANCY WO OPER'
          WHEN 925,913,865,874-875,691,673,
               674,700,709,710,751,750,730,731,721,737,690,
               756                                                         = 276
  TITLE 276 '62YSP1'
```

```
            'OBST DIS OF ANTEPARTUM & POST PARTUM W D&C REPAIR INT CERVICAL OS'
         OWISE                                                                  = 277
   TITLE 277 '62YSP2'
            'OBST DIS OF ANTEPARTUM & POST PARTUM W SAL-OOPHRECTMY,OTH MAJ OPER'

/*NORMAL DELIVERY = 63

WHEN 650-6500
     SELECT OPER1
          WHEN 661,662,663,664,682-634,680,701                                  = 279
   TITLE 279 '63P2'
               'DELIVERY W LIGATION OF FALLOPIAN TUBE,SALPINGECTOMY'
          WHEN 741,748,749                                                      = 280
   TITLE 280 '63P3'
               'DELIVERY W C-SECTION'
          OWISE                                                                 = 278
   TITLE 278 '63P1'
               'DELIVERY WO OPER OR W OPER ASSISTING DELIVERY'

/*DELIVERY WITH COMPLICATION = 64

WHEN 651-6649
     SELECT OPER1
          WHEN 740-742,748,749                                                  = 282
   TITLE 282 '64P2'
               'DELIVERY WITH COMPLICATION W C-SECTION'
          OWISE                                                                 = 281
   TITLE 281 '64P1'
               'DELIVERY WITH COMPLICATION WO OPER OR W OPER ASSISTING DELIVERY'

/* DISEASES OF SKIN AND SUBCUTANEOUS TISSUE = 65

WHEN 680-6840,686-7099
     SELECT DX1
          WHEN 680-6806,683-6840,686-6869,690-6900,6928,6950,6953,
               6962,6963,6983,700-7069,708-7099,6810,6811
               SELECT DX2
                    WHEN 0000,'    '                                           = 283
   TITLE 283 '65D1ND'
               'KELOID,CICATRIX,SEBACEOUS CYST, OTH MINOR SKIN DIS WO DX2'
                    OWISE                                                       = 284
   TITLE 284 '65D1YD'
               'KELOID,CICATRIX,SEBACEOUS CYST,OTH MINOR SKIN DIS W DX2'
          WHEN 6927,694-6940,696-6961,6964,7070-7071                            = 289
   TITLE 289 '65D3'
               'PSORIASIS,PEMPHIGUS,CHR ULCER OF SKIN'
          OWISE
               SELECT OPER1
                    WHEN 000,'   '
                         SELECT AGE
                              WHEN 0-20                                         = 285
   TITLE 285 '65D2NSA1'
               'CELLULITIS & ABSCESS OF SKIN,ECZEMA,CHR ULCER WO OPER OF AGE<21'
                              OWISE                                             = 286
   TITLE 286 '65D2NSA2'
               'CELLULITIS & ABSCESS OF SKIN,ECZEMA,CHR ULCER WO OPER OF AGE>20'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                                 = 287
   TITLE 287 '65D2YSND'
               'CELLULITIS & ABSCESS OF SKIN,ECZEMA,ERYTHMA CONDITN W OPER WO DX2'
                              OWISE                                             = 288
   TITLE 288 '65D2YSYD'
               'CELLULITIS & ABSCESS OF SKIN,ECZEMA,ERYTHMA CONDITN W OPER W DX2'

/*ARTHRITIS = 66

WHEN 710-7150
     SELECT OPER1
          WHEN 000,'   '
               SELECT AGE
                    WHEN 0-64                                                   = 290
   TITLE 290 '66NSA1'
               'ARTHRITIS WO OPER OF AGE<65'
                    OWISE                                                       = 291
```

```
  TITLE 291 '66NSA2'
            'ARTHRITIS WO OPER OF AGE>64'
         WHEN 091,780,036-039,125,126,482,662,663,664,690,691,
              783,784,789,803,804,807,813,811,812,834,835,
              839,820,821,822,823,825,829,040,860,883,885,890,919          = 292
  TITLE 292 '66YSP1'
            'ARTHRITIS W EXCISN(BONE,JOINT,SYNOVIUM),ARTHRODESIS'
         WHEN 320,331,341,342,372,420,430,451,452,479,480,490,
              030,048,126,380,377,428,542,511,413,450,461,573,
              603,781,788,815,816,774,814,818,893,847,434,440,442          = 294
  TITLE 294 '66YSP3'
            'ARTHRITIS W REPAIR & PLASTIC OPER(JOINT,HIP),LAMINECTOMY'
         OWISE                                                             = 293
  TITLE 293 '66YSP2'
            'ARTHRITIS W ARTHROTOMY,SPINAL FUSN,EXCISN INTERVERT CARTILAGE'

/*DERANGEMENT AND DISPLACEMENT OF INVERTEBRAL DISC = 67

WHEN 725-7259
    SELECT OPER1
         WHEN 000,'    '                                                   = 295
  TITLE 295 '67NS'
            'DERANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC WO OPER'
         OWISE                                                             = 296
  TITLE 296 '67YS'
            'DERANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC W OPER'

/*DISEASES OF BONE AND CARTILAGE = 68

WHEN 7171-7180,720-7249
    SELECT OPER1
         WHEN 000,'    '
              SELECT DX1
                   WHEN 720-7202,7210,7223,7230,7232                       = 298
  TITLE 298 '68NSD2'
            'OSTEOMYELITIS(ACUTE,CHR),OSTEOPOROSIS,SPONT FRACTURE WO OPER'
                  OWISE                                                    = 297
  TITLE 297 '68NSD1'
            'RHEMATISM,PERIOSTITIS,OTH MINOR BONE DIS WO OPER'
         WHEN 885,920,919,052,200,399,933,433,441,584,589,597,
              785,851,803,800,801,804,805,806,809,
              814,817,818,819,812,797,798,831,830,832,833,782,
              834,835,836,838,839,824,825,891,899,902,904,909,
              772,773,774,231,837,850,031                                  = 299
  TITLE 299 '68YSP1'
            'DIS OF BONE & CARTILAGE W EXCISN SEMILUNAR CART,REPAIR OTH JOINT'
         WHEN 060,066,068,320,331,342,372,420,411,500,514,520,
              602,621,630,642,381,400,401,091,822,
              922,924,925,927,929,013,020,030,033,222,932,
              341,585,684,780,781,786,795,793,791,
              840,845,846,847,815,816,810,811,880,831,883,
              884,889,897,837,890,770,344,377,380,392,555,581,604,790      = 301
  TITLE 301 '68YSP3'
            'DIS OF BONE & CARTILAGE W AMPUTATN,ARTHROPLASTY HIP,OTH MAJOR OPER'
         OWISE                                                             = 300
  TITLE 300 '68YSP2'
            'DIS OF BONE & CARTILAGE W ARTHROTMY,EXCISN BONE,FUSN BONE'

/*OTHER DISEASES OF MUSCULO-SKELETAL SYSTEM = 69

WHEN 716-7169,719-7199,726-7390
    SELECT OPER1
         WHEN 000,'    '
              SELECT DX1
                   WHEN 7270,7271,7274,7276,7890,7891,7291,7295,
                        7296,7298,7293,7292,730-7319,7332,7334,
                        7335,739-7390,7350-7352,7353,7359,
                        730-7370,7380,7383,7384,7387,7372-7379,
                         7339,7371,7381,7382,7386                          = 302
  TITLE 302 '69NSD1'
            'BUNION SYNOVITIS BURSITIS,TENOSYNOVITIS,SCOLIOSIS,DEFRM FOOT WO OP'
                  OWISE
                       SELECT DX2
                            WHEN 0000,'    '                              = 303
  TITLE 303 '69NSD2NC'
```

```
            'LUMBALGIA,DIFF DIS OF CONN TISS,MYOSITIS WO OPER.WO DX2'
                        OWISE                                                  = 304
   TITLE 304 '69NSD2YD'
            'LUMBALGIA,DIFF DIS OF CONN TISS,MYOSITIS WO OPER W DX2'
           OWISE
               SELECT DX1
                    WHEN 7274,7278,7291,7295,7296,7298,7293,
                         7312-7314,7317-7320,7331-7332,7334,
                         7335,739-7390,7380,7384,7372-7379,
                          7292,7294,7297,7370,7371,7381-7383                   = 305
   TITLE 305 '69YSD1'
            'SYNOVITIS,TENDONITIS BURSITIS,DEFORMITY(FINGER,TOE,PALM) W OPER'
                    OWISE
                         SELECT OPER1
                              WHEN 430,451,452,479,480,490,071,550,
                                   591,885,919,036-037,042,048,087,
                                   094,097,173,175,178,128,402-404,
                                   540,662,716,793,840,845,809,
                                   831,830,833,782,839,820,821,
                                   824,828,829,691,903,899,902,
                                   904,909,762                                 = 306
   TITLE 306 '69YSD2P1'
            'OTH DIS OF MUSCULOSKELETAL SYST W MINOR OPER'
                              WHEN 238,240,251,261,270,271,280,300,
                                   418,428,320,331,342,372,420,
                                   602,621,630,642,651,671,681,091,
                                   780,927,929,030,031,
                                   033,035,051,311,077-079,584,589,
                                   597,602,860,690,691,786,
                                   859,795,792,847,805,815,816,810,
                                   825,884,885,889,897,886,890,893,
                                   380,341,340,348-349,344,493,388,585,
                                    038,039,822,823,392,542,551,554,562,
                                    568,787                                    = 308
   TITLE 308 '69YSD2P3'
            'OTH DIS OF MUSCULOSKELETL SYST W SPINAL FUSN,OTH MAJ OPER'
                              OWISE                                            = 307
   TITLE 307 '69YSD2P2'
            'OTH DIS OF MUSCULOSKELETL SYST W EXCISN,REPAIR(SMALL JOINT & BONE)'

/*CONGENITAL ANOMALIES = 70

WHEN 740-7599
    SELECT OPER1
         WHEN 000,'   '
              SELECT DX1
                   WHEN 741-7418,7422,7400,7420,7402-7404,7408,
                        7409,7419,7446,7450,7440,7441,
                        7443-7445,7454,7455,7458,7459,7463-7467,
                        7472-7479,749-7492,7504,7512,7514,7517,
                        7530-7536,7538,7539,7551,7553,7554-7563,
                        7567-7574,2164,7579,7584-7589,7593,
                        7594,7596,7598,7484-7489,                              = 310
   TITLE 310 '70NSD2'
            'CONGENITAL ANOMALY(HEART,KIDNEY,OTH MAJOR) WO OPER'
                    OWISE                                                      = 309
   TITLE 309 '7CNSD1'
            'OSTEOGENESIS IMPERFECTA,PYLORIC STENOSIS,UNDESC TESTICLE WO OPER'
           OWISE
               SELECT DX1
                    WHEN 742-7429,7328,7430,7431,7433-7439,7480-7483,
                         750-7501,7505,7509,7585,7521,7524-7526,
                         7583,7584,7528,7529,7530,7536,7537,7539,7550,
                         7551,7552,7553,7559,757-7579,2164,758-7582,
                         7586,7432                                             = 311
   TITLE 311 '70YSD1'
            'CONG ANOM(TESTICLE SKIN,PYLORIC STENOSIS,OTH MINOR) W OPER'
                    WHEN 741-7418,7422,7400,7402-7404,7408,7409,
                         7412,7419,7446,7460-7462,7450,7471,
                         7472,7443,7444,7455,7458,7463-7467,7474,
                         7510,7511,7513,7514,7516-7519,7522,7523,
                         7531,7532,7534,7535,7538,7560,7564,7567
                         SELECT OPER1
                              WHEN 430,451,452,479,480,490,921,922,
                                   925,010,042,093,191,128,210-212,
```

```
                                    219,380,933,549,444,464,486,
                                    496,560,598,561,569,573,570,581,
                                    583,592-596,585,624,662,683,
                                    788,789,859,815,816,
                                    813,811,838,829,262,263,775,
                                     200,231,582,584,589,606,614,623,
                                     640,641,642,644,649,715                    = 315
  TITLE 315 '7CYSD3P1'
            'A-S-C,T-O-F,P-D-A,C-O-A,HYPOSPADIA W CATHRIN,REPAIR URETHRA'
                                OWISE                                           = 316
  TITLE 316 '7OYSD3P2'
            'A-S-C,T-O-F,P-D-A,C-O-A W OPER ON VALVE SEPTUM,SHUNT'
                   WHEN 7454,7473,7477,7476,7484-7489,7503,7504,
                        7502,7506,7512,7515,7561-7563                           = 317
  TITLE 317 '7CYSD4'
            'CONG ANOM(SPINE,ESOPHAGEAL ATRESIA,HIRSCHSPRUNG DIS) W OPER'
                   OWISE
                        SELECT OPER1
                             WHEN 320,331,341,342,420,651,671,
                                  681,381,400,401,922,925,029,
                                  133,134,136,189,200,213,214,215,
                                  128,226,229,285,069,361,933,377,
                                  343,543,433,441,462,560,598,
                                  624,781,788,791,846,
                                  812,832,782,829,880,881,833,
                                  884,885,889,897,213,873,899,
                                  902,904,909,250,185,187,191,231,838,839 = 312
  TITLE 312 '7OYSD2P1'
            'CONG ANOM OF HT(VALVE,UNSPEC) W HT CATHETERIZATION'
                                WHEN 923,022,023,024,030,034,095,171,
                                     210-212,219,311,395,382,380,
                                     385,380,390,351,354,350,352,353,
                                     357,356,360-363,396,934-936,
                                     347-349,534,542,546,444,460,
                                     453,454,455,461,465,463,484,485,
                                     496,554,555,558,794,815,816,
                                     810,230,010,014,373,378,387,392,398,427,
                                     549,552,553,559,564,567,792,793,798,
                                     845,847                                    = 314
  TITLE 314 '7OYSD2P3'
            'CONG ANOM OF HT(VALVE,UNSPEC) W OPER ON HT(VALVE,SEPTUM)'
                                OWISE                                           = 313
  TITLE 313 '7OYSD2P2'
            'CONG ANOM(PALATE,LIP,HIP,OTH EXTR) W REPAIR(LIP,PALATE),ARTHRDESIS'

/*NORMAL MATURE BORN = 71

WHEN Y20-Y209,Y22-Y229,Y24-Y249                                                  = 318
  TITLE 318 '71'
            'NORMAL MATURE BORN'

/*CERTAIN DISEASES AND CONDITIONS PECULIAR TO NEWBORN INFANTS = 72

WHEN Y21-Y219,Y23-Y239,Y25-Y299,Y40-Y489,760-7689
    SELECT DX1
         WHEN Y260,Y269,Y406,7603-7605,7615-7630,7632,7633,7660,7670-7682 = 319
  TITLE 319 '72D1'
            'WELL BABY CARE,POST MATURITY,OTH MINOR DIS OR COND OF NEWBRN INF'
         OWISE
              SELECT DX2
                   WHEN 0000,'    '                                            = 320
  TITLE 320 '72D2ND'
            'IMMATURITY,HYALINE MEMB DIS, OTH MAJ DIS OR COND OF INFANT WO DX2'
                   OWISE                                                        = 321
  TITLE 321 '72D2YD'
            'IMMATURITY,HYALINE MEMB DIS,OTH MAJOR DIS OR COND OF INFANT W DX2'

/*SYMTS AND SIGNS REFERABLE TO NERVOUS, RESPIRATORY, AND CIRCULATORY SYSTS = 73

WHEN 770-7709,773-7769,778-7799
    SELECT OPER1
         WHEN 000,'    '
              SELECT DX2
                   WHEN 0000,'    '                                            = 322
  TITLE 322 '73NSND'
```

```
            'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) WO OPER WO DX2'
                  OWISE
                        SELECT DX1
                              WHEN 7704,7705,7735,7736,7709,7706,
                                   7756,7758,7791,7731,7893,7700,
                                   7708,7750,7751,7788-7790                    = 324
  TITLE 324 '73NSYCD2'
            'VERTIGO,ENCEPHALOPATHY,DYSPNEA,HEMOPTYSIS WO OPER W DX2'
                        OWISE                                                  = 323
  TITLE 323 '73NSYCD1'
            'CONVULSION,SYNCOPE,EPISTAXIS,CHEST PAIN WO OPER W DX2'
          WHEN 238,240,251,261,270,271,280,300,418,428,320,331,
               372,420,071,550,591,922,048,202,
               215,128,210-212,219,220,221,223,224,312,400,401,395,
               933,560,598,635,636,706,709,751,690,731,781,796,
               805,806,813,838,380,881,883,884,885,889,897,890,
               262,263,762,231,246-249,232-234,239,
               181,200,201,204,207,209,213,216,218,272,281,282,285,
               292,294                                                         = 325
  TITLE 325 '73YSP1'
            'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MINOR OPER'
          OWISE                                                                = 326
  TITLE 326 '73YSP2'
            'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MAJOR OPER'

/*SYMPTOMS AND SIGNS REFERABLE TO G-I AND URINARY SYSTEM = 74

WHEN 780-7839
     SELECT OPER1
          WHEN 000,'    '
               SELECT DX2
                    WHEN 0000,'     '                                          = 327
  TITLE 327 '74NSND'
            'SYMPTOM OR SIGNS (G-I,URINARY SYST) WO OPER WO DX2'
                    OWISE                                                      = 328
  TITLE 328 '74NSYD'
            'SYMPTOM OR SIGNS (G-I,URINARY SYST) WO OPER W DX2'
          WHEN 430,451,479,480,490,091,780,921,923,925,927,
               929,913,299,291,384,543,544,470,442,444,453,
               570,585,641,662,663,664,691,709,700,716,
               690,800,801,832,441,482,581,914,919,922,924,926                 = 329
  TITLE 329 '74YSP1'
            'SYMPTOM OR SIGNS(G-I,URINARY SYST) W ENDOSCOPY,OTH MINOR OPER'
          OWISE                                                                = 330
  TITLE 330 '74YSP2'
            'SYMPTOM OR SIGNS(G-I,URINARY SYST) W EXPL LAPLATMY, OTH MAJOR OPER'

/*MISCELLANEOUS SIGNS, SYMPTOMS, AND ILL-DEFINED CONDITIONS = 75

WHEN 771-7728,777-7779,784-7969
     SELECT OPER1
          WHEN 000,'    '
               SELECT DX1
                    WHEN 7846,7857,7854,7853,7845,7840-7844,
                         7850-7852,7855,7856,793-7939,7715,7716,7874           = 331
  TITLE 331 '75NSD1'
            'STERILITY(MALE, FEMALE), ADMISSION FOR OBSERV WO OPER'
                    OWISE
                         SELECT AGE
                              WHEN 0-14                                        = 332
  TITLE 332 '75NSD2A1'
            'ELECTRO DISOR,HEADACHE,PYREXIA,OTH ILL-DEF SYMT WO OPER OF AGE<15'
                              OWISE                                            = 333
  TITLE 333 '75NSD2A2'
            'ELECTRO DISOR,HEADACHE,PYREXIA,OTH ILL-DEF SYMT WO OPER OF AGE>14'
          WHEN 238,240,251,261,270,271,280,300,418,428,621,
               642,712,921,925,913,915,919,040,042,
               044,096,170,176,177,101,102,285,061,062,380,
               395,933,541,540,543,544,560,598,581,585,610,
               611,620,630,624,619,629,634,635,636,631,637,639,
               860,663,664,667,665,669,671,672,691,673,675,
               695,670,692,693,699,702,704,
               709,710,716,690,741,781,802,812,823,825,829,800,881,
               883,898,273,275,282,292,310,885,914                             = 334
  TITLE 334 '75YSP1'
```

```
          'MISC SYMPT OR SIGNS W PERINEOSCOPY,CYSTOSCOPY OTH MINOR OPER'
        OWISE                                                          = 335
  TITLE 335 '75YSP2'
          'MISC SYMPT OR SIGNS W HYSTERECTOMY,EXPL LAPLATMY,OTH MAJOR OPER'

/*FRACTURES = 76

WHEN 800-8299
    SELECT OPER1
        WHEN 000,'    '
             SELECT DX1
                  WHEN 800-8009,8010,8020,8022,8024,8030,8031,8059
                       8074,8079,8110,8100,8119,8129,813,8130,
                       8132,8134,8139,814-8149,8150,8159,8160-8169,8170
                       8221,823-8249,8250,8260,8270,8290,8019,8021,8029,
                       8109,8110,8131,8135
                       SELECT AGE
                            WHEN 0-29                                  = 336
  TITLE 336 '76NSD1A1'
          'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND) WO OPER OF AGE<30'
                            OWISE                                      = 337
  TITLE 337 '76NSD1A2'
          'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND) WO OPER OF AGE>29'
                  WHEN 8050,8052,8056,8070,8072,8089,812,8120,
                       8122,8124,8204,8220,8069,8121
                       SELECT AGE
                            WHEN 0-64                                  = 338
  TITLE 338 '76NSD2A1'
          'FX(SPINE,RIB,HUMERUS) WO OPER OF AGE<65'
                            OWISE                                      = 339
  TITLE 339 '76NSD2A2'
          'FX(SPINE,RIB,HUMERUS)WO OPER OF AGE>64'
                  OWISE                                                = 340
  TITLE 340 '76NSD3'
          'FX(FEMUR,PELVIS,MULTIPLE) WO OPER'
        WHEN 921,041,045-047,044,059,080,094,097,178,179,102,184
             215,128,219,226,229,317,387,432,451,452,493,
             663,664,710,780,789,790,840,843,803,804,
             809,813,339,824,829,887,903,218,774,775,
             779,760,766,761,765,762,763,246-249,232-234,239,
             176,193,194,200,210,217,223,274,313,797,802,817,919,
             040,214
             SELECT DX1
                  WHEN 802-8021,8025-8029,8049,8079,8100,
                       8110,813-8130,8132-8135,814-8149,8159,
                       816-8169,8203,8213,823,8232,8233,8241,
                       8259,8260,8290,8243,8245,8247,8248
                       SELECT DX2
                            WHEN 0000,'    '                           = 341
  TITLE 341 '76YSP1D1ND'
          'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE REDUCTN WO DX2'
                            OWISE                                      = 342
  TITLE 342 '76YSP1D1YD'
          'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE REDUCTN W DX2'
                  OWISE
                       SELECT DX2
                            WHEN 0000,'    '                           = 343
  TITLE 343 '76YSP1D2ND'
          'FX(MANDBL,HUMERUS,ANKLE)W CLOSE REDCTN,OPEN REDCTN FOR FACE WO DX2'
                            OWISE                                      = 344
  TITLE 344 '76YSP1D2YD'
          'FX(MANDBL,HUMERUS,ANKLE)W CLOSE REDCTN,OPEN REDCTN FOR FACE W DX2'
        WHEN 411,500,514,520,091,923,924,925,927,929,
             011,076,022,023,030,035,154,187,213,311,
             383,377,340,335,542,545,413,434-438,
             455,492,571,572,573,570,603,602,660,781,
             851,787,791-795,815,816,810,834,835,
             822,884,885,889,897,895,896,230,
             805,344,346,392,433,764,306                               = 348
  TITLE 348 '76YSP3'
          'FX OF BONE W AMPUTATN ARTHROPLASTY OF HIP OTH MAJOR OPER'
        OWISE
             SELECT DX1
                  WHEN 8011,8020,8021,8025,8029,8031,8054,8062,
                       8071,8100,8109,8110,8124,8129,8130,8131,
```

```
                        8132,8134,8139,8149,8150,8151,8159,8160,8161,
                        8169,8170,8171,8221,8229,825,8250,8259,
                        8260,8261,8269,8020,8140,8249,8251,8290          = 345
  TITLE 345 '76YSP2D1'
            'FX(ARM,HAND,FOOT,CLAVICLE) W OPEN REDUCTN EXT FIXATN,DEBRIDEMENT'
                  WHEN 8000,8010,8023,8030,8050,8054,
                        8058,8072,8080,8084,8086,812-8121,8123,
                        8135,8200,8202-8204,8210-8213,8231,8233,
                        8241,8243,8245,8247,8248,8270,8281               = 347
  TITLE 347 '76YSP2D3'
            'FX(FEMUR,PELVIS) W OPEN REDUCTN,EXT FIXATN,DEBRIDEMENT'
                  OWISE                                                  = 346
  TITLE 346 '76YSP2D2'
            'FX(ANKLE,TIBIA & FIBULA) W OPEN REDUCTN EXT FIXATN, DEBRIDEMENT'

/*DISLOCATION AND OTHER MUSCULO-SKELETAL INJURY = 77

WHEN 830-8489
    SELECT OPER1
          WHEN 000,'   '
               SELECT DX1
                    WHEN 8300,8350,8392,8395,844-8440,846-8470,
                         8471-8474,8479,8390,8399                        = 350
  TITLE 350 '77NSD2'
            'DISLOCTN(JAW,HIP),SPRAINS(KNEE,SACROILIAC,OTH,UNSPEC)WO OPER'
                    OWISE                                                = 349
  TITLE 349 '77NSD1'
            'DISLOCATN(SHOULDR,ELBOW,WRIST,KNEE),SPRAINS(ANKL,FOOT,HAND)WO OPER'
          OWISE
               SELECT DX1
                    WHEN 8300,8301,8310,8311,8320,8330,8339,
                         8340,8341,8349,8379,8361,8389,8397,
                         8400,842,8410,8420,8450,8412,8414,8419,8421,8422,
                         8424,8429                                       = 351
  TITLE 351 '77YSD1'
            'DISLOCATN(SHOULDER,ELBOW,HAND),SPRAINS(ELBOW,WRIST,HAND) W OPER'
                    WHEN 8319,8350,8359,8390,8392,8430,8479,
                         846,8460,8470,8471-8474,8432,8439               = 353
  TITLE 353 '77YSD3'
            'DISLOCATN(HIP,MULTIPLE),SPRAINS(HIP,SACROILIAC,OTH,UNSPEC) W OPER'
                    OWISE                                                = 352
  TITLE 352 '77YSD2'
            'DISLOCATN(KNEE,ANKLE),SPRAINS(SHOULDER,KNEE,ANKLE) W OPER'

/*INTERNAL INJURY OF CRANIUM, CHEST, AND OTHER ORGANS = 78

WHEN 850-8699,900-9049,950-9599
    SELECT OPER1
          WHEN 000,'   '
               SELECT AGE
                    WHEN 0-40
                         SELECT DX2
                              WHEN 0000,'   '                            = 354
  TITLE 354 '78NSA1ND'
            'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER WO DX2 OF AGE<41'
                              OWISE                                      = 355
  TITLE 355 '78NSA1YD'
            'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER W DX2 OF AGE<41'
                    OWISE                                                = 356
  TITLE 356 '78NSA2'
            'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER OF AGE>40'
          WHEN 921,923,927,929,040,042,043,045-047,044,048,096,
               200,210-212,219,399,335,530-533,541,540,464,
               493,570,663,664,675,695,697,670,692,693,699,709,
               774,817,818,819,831,830,837,838,820,
               821,822,823,824,825,826,890,891,661,690,691,706,836,
                860,883,097                                              = 357
  TITLE 357 '78YSP1'
            'INTERNAL INJURY W SUTURE(SKIN,NERVE),NEUROPLASTY OTH MINOR OPER'
          WHEN 011,C76,030,036-039,094,174,226,229,311,312,
               387,383,392,345,333,537,542,503,504,506,
               434-438,443,445,453,454,455,461,463,467,551,
               550,577,583,592-596,585,602,610,611,620,792,805,
               810,893,761,765,767,762,020,342,357,377,391,554,558,
               793,796,798                                               = 359
```

```
   TITLE 359 '78YSP3'
             'INTERNAL INJURY W CRANIOTOMY,EXPL LAPAROTOMY'
          OWISE                                                          = 358
   TITLE 358 '78YSP2'
             'INTERNAL INJURY W SPLENECTMY,THORACOTMY,PLEUROTMY,EXCISN SKIN'

/*OPEN WOUND AND SUPERFICIAL INJURY = 79

WHEN 870-8979,910-9391
     SELECT OPER1
          WHEN 000,'    '
               SELECT DX1
                    WHEN 870-8709,872-8729,8732,8740,8750,8760,8770,
                         8771,8780,8781,8790,8800,8801,8810,8811,8812,
                         8820,8822,8829,8830,8839,885-8859,8869,8879,
                         8910,8920,8930,8939,9100,9110,9120,9130,9140,
                         9150,9159,9170,9230,930-9351,938-9391,
                         9193-9195                                       = 360
   TITLE 360 '79NSD1'
             'OPEN WOUND NOT COMPLICATED,SUPERFICIAL INJURY,FOREIGN BODY WO OPER'
                    OWISE
                         SELECT DX2
                              WHEN 0000,'    '                           = 361
   TITLE 361 '79NSD2ND'
             'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY WO OPER WO DX2'
                         OWISE                                           = 362
   TITLE 362 '79NSD2YD'
             'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY WO OPER W DX2'
          WHEN 080,088,108,114,118,127,148,168,924,
               925,927,929,059,067,176,110,120,150,160,
               174,124,125,126,140,145,154,156-159,311,
               312,387,383,395,362,399,401,371,378,341,340,
               343,332,335,420,530-533,534,542,540,543,544,506,
               413,430,431,432,455,461,467,486,493,554,571-572,
               585,584,589,597,611,612,630,644,709,780,
               783,784,796,859,791,793,790,847,774,
               814,818,819,830,825,884,
               897,893,896,260,261,264,269,760,766,761,765,
               767,762,010,011,020,030,040,042,173,
               222,342,344,347,348,380,391,454,465,470,537,811,
               812,813,863
               SELECT DX1
                    WHEN 870-8709,8710,8729,8731-8732,8737,8739,
                         8760,8780,8798,8801,8810,8829,
                         883-8832,8839,8840,8850,8860-8869,8912,
                         8922,8929,8940,910-9159,9219,9230,
                         9279,9240,9249,930-9310,9195,9320,9340,9350,9390  = 365
   TITLE 365 '79YSP2D1'
             'OPEN WOUND(EXTR),SUPERF INJURY W EXCISN,DEBRIDEMENT,OTH MAJOR OPER'
                    OWISE                                                = 366
   TITLE 366 '79YSP2D2'
             'OPEN WOUND(COMPL,BODY,MULTIPLE) W EXCISN,DEBRIDEMENT,OTH MAJOR OP'
          OWISE
               SELECT DX1
                    WHEN 8700,8709,8720,8729,8732,8760,8740,8750,
                         8760,8770,878,8781,8810,8819,8820,8822,
                         8830,8832,8842,8869,8920,8921,8931,9109,
                         9110,9140,9150,9159,9219,9239,9230,9239,
                         928-9390,9240,9249,9250,9259,9191,9193,
                         9195,9197,8780,8789,8831,8839,9100,9170          = 363
   TITLE 363 '79YSP1D1'
             'OPEN WOUND(EXTR),FOREIGN BODY W ENDOSCPY,SUTURE,OTH MINOR OPER'
                    OWISE                                                = 364
   TITLE 364 '79YSP1D2'
             'OPEN WOUND(COMPL,HEAD,MULTIPLE) W ENDSCPY,SUTURE,OTH MINOR OPER'

/*BURN = 80

WHEN 940-9498
     SELECT DX1
          WHEN 9411,9412,9419,9421,9422,9430-9432,9440,9442,9448,
               9449,9451,9452,9460,9474,9480-9482,9490,9491,
               940-9409,9410,9418,9441,9470                              = 367
   TITLE 367 '80D1'
             'BURN OF 1ST DEGR,2ND DEGR UNCOMPL,LESS THAN 20% OF BODY'
```

```
        OWISE                                                                   = 368
  TITLE 368 '80D2'
            'BURN OF 2ND DEGR COMPL, 3RD DEGR, OVER THAN 20% OF BODY'

/*COMPLICATION OF SURGICAL AND MEDICAL CARE = 81

WHEN 996-9999
    SELECT OPER1
        WHEN 000,'   '
            SELECT DX2
                WHEN 0000,'    '                                                = 369
  TITLE 369 '81NSND'
            'COMPL OF SURGICAL OR MEDICAL CARE WO OPER WO DX2'
                OWISE                                                           = 370
  TITLE 370 '81NSYD'
            'COMPL OF SURGICAL OR MEDICAL CARE WO OPER W DX2'
        WHEN 922,925,927,929,913,036,037,039,040,042,044,
             059,091,096,099,170,176,177,179,178,124,933,
             141,135,164,161,162,166,159,181,183,202,203,
             210-212,219,312,286,289,060,387,390,
             341,342,428,535,536,543,544,513,514,459,486,492,
             497,882,590,571,574,610,611,620,870,871,860,
             869,879,652,671,672,694,691,675,695,697,696,
             670,692,693,699,704,706,705,709,700,710,690,755,
             758,780,781,791,793,840,839,829,886,900,873,260,
             261,264,269,275,279,775,240,703,822,824,875                        = 371
  TITLE 371 '81YSP1'
            'COMPL OF SURGICAL OR MEDICAL CARE W MINOR OPER'
        WHEN 924,020,045-047,172,395,382,399,378,370,930,
             347-349,344,541,443,445,464,582,585,602,635,636,
             865,874,651,683,701,722,750,859,820,821,
             880,881,883,890,891,770,010,038,171,317,572,
             090,100,102,129,130,132,134,136,142,145,152,157,
             160,167,174,192,200,209,218,315,470,480,482,491,
             496,562,564,570,573,578,580,581,583,597,598,599,
             885,887,892,893,914,920,921,923,934-936                            = 372
  TITLE 372 '81YSP2'
            'COMPL OF SURGICAL OR MEDICAL CARE W REPLACE HT DEVICE,REPAIR STOMA'
        OWISE                                                                   = 373
  TITLE 373 '81YSP3'
            'COMPL OF SURGICAL OR MEDICAL CARE W REVISN SHUNT,OTH MAJOR OPER'

/*ADVERSE EFFECTS OF A CERTAIN SUBSTANCE = 82

WHEN 960-9959
    SELECT DX1
        WHEN 9610,9620,9631,9642,9644,9655,9660,9730,9731,9832,
             984-9869,9904-9912,9920,9942,9948,9949,9952,
             9901,9902,9913,9919,9951,9957,9958,9955
             SELECT DX2
                WHEN 0000,'    '                                                = 376
  TITLE 376 '82D2ND'
            'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,RADIATION) WO DX2'
                OWISE                                                           = 377
  TITLE 377 '82D2YD'
            'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,RADIATION) W DX2'
        OWISE
             SELECT DX2
                WHEN 0000,'    '                                                = 374
  TITLE 374 '82D1ND'
            'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOL WO DX2'
                OWISE                                                           = 375
  TITLE 375 '82D1YD'
            'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOLIC W DX2'

/*SPECIAL ADMISSIONS AND EXAMINATIONS WITHOUT REPORTED DIAGNOSIS = 83

WHEN Y00-Y199,Y50-Y869
    SELECT OPER1
        WHEN 000,'   '
            SELECT DX1
                WHEN Y001,Y003,Y019,Y060,Y063,Y070,Y125,
                     Y128,Y130,Y140,Y151,Y159,Y160,Y162,Y166,
                     Y184,Y199,Y516,Y548,Y624,Y722,Y772,Y773,
                     Y775,Y832,Y864,Y016                                        = 378
```

```
   TITLE 378 '83NSD1'
             'PRENATAL CARE,MEDICAL & SURGICAL AFTER CARE(DIALYSIS) WO OPER'
                    WHEN Y039,Y061,Y069,Y071,
                         Y129,Y154,Y156,Y158,Y191,Y583,
                         Y721,Y735,Y760,Y783,Y796,Y799,Y849,Y852,
                         Y859,Y861,Y123                                    = 379
   TITLE 379 '83NSD2'
             'ADMISSION(FOR STERILIZATION,CHEMOTHER,RADIATION THER) WO OPER'
                    OWISE                                                  = 380
   TITLE 380 '83NSD3'
             'FOLLOWUP(CA),SURG-MED AFTR CARE(COLOSTOMY,ORTHOP,OTH) WO OPER'
          WHEN 571,589,913,919,035-039,082,
               089,094,097,112,170,176,177,120,130,166,180,186,
               189,200,202,191,194,196,195,209,317,281,283,284,
               285,933,531-533,444,482,560,561,569,574,614,
               625,634,635,636,665,671,672,694,
               691,674,701,709,700,725,751,753,
               730,722,754,690,796,803,830,824,829,
               895,896,185,900,899,902,904,909,230,663                     = 381
   TITLE 381 '83YSP1'
             'SPECIAL ADMISSION W OPER ON STERILIZATION OR D&C'
          WHEN 238,240,261,270,271,280,300,418,428,411,500,514,
               520,071,550,591,602,621,630,642,922,925,093,398,149,
               144,401,353,352,351,378,534,573,585,637,639,641,661,
               666,664,670,692,693,699,750,721,756,788,859,839,
               880,881,883,107,873,251,252,253,254,273,
               024,171,530,581,582,598,626,662,669,779,831,838,860,885,
               691                                                         = 382
   TITLE 382 '83YSP2'
             'SPECIAL ADMISSION W CYSTOSCOPY,REMOVAL OF FIX DEVICE(INTERNAL)'
          OWISE                                                            = 383
   TITLE 383 '83YSP3'
             'SPECIAL ADMISSION W EXPL LAPAROTMY,HYSTERECTMY,OTH MAJOR OPER'
OWISE                                                                      = 384
TITLE 384 '****'
          'UNGROUPED'
```

Appendix E.4

Source Listing of MADOC Grouping Program

```
EXEC GSYNTAX
TURN ALIGN OFF
REGISTER 10:GNUM I.2,DX1 C.4,MOREDX I.1,OPER1 C.3,OPER C.3,AGE I.1
TURN ALIGN ON
LANGUAGE GROUPER
WORK FILE TEMPMSTR S 1100
TITLE OPEN 'MADTITLE S 384'
START DX1 IN GCCMADO USING 6000

/* INFECTIOUS DISEASES = 1

WHEN 000-0689, 071-1360

  SELECT DX1
     WHEN 008-0091
        SELECT AGE
           WHEN 0-15                                                    =1
           TITLE  1 '01D1A1'
                    'ENTERITIS DIARRHEAL DIS OF AGE<16'
           OWISE                                                        =2
           TITLE  2 '01D1A2'
                    'ENTERITIS DIARRHEAL DIS OF AGE>15'
     WHEN 001,0020,0030,0039,0060,0110-0113,0119-0122,0130,0150,
          0162,0170,0171,0179,0180,0189,0270,0510,0361,0380,0381,
          0388,0389,0430,046,0480,0532,0539,066,0660,0781,0840,
          0940,0970,0985,1009,1150,1173,1228,1240,
          1350,1360,135
        SELECT OPER
           WHEN 000,'   '                                              =5
           TITLE  5 '01D3NS'
            'SEPTICEMIA TBC SARCOIDOSIS SALMONELLA INFECTN WO OPER'
           OWISE                                                        =6
           TITLE  6 '01D3YS'
                    'SEPTICEMIA TBC SARCOIDOSIS SALMONELLA INFECTN W OPER'
     OWISE
        SELECT MOREDX
           WHEN 0                                                       =3
           TITLE  3 '01D2ND'
                    'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,
WART,OTH)WO DX2'
           OWISE                                                        =4
           TITLE  4 '01D2YD'
                    'VENEREAL DIS,VIRAL ORIGIN DIS(ASEPTIC MENINGITIS,
WART,OTH) W DX2'

/* MALIGNANT NEOPLASM OF DIGESTIVE SYSTEM = 2

WHEN 140-1590
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 140-1490,1530-1533,155-1561,1569                        =7
           TITLE  7 '02NSD1'
                    'CA OF ORAL CAVTY,COLON,GALLBLDR WO OPER'
           OWISE                                                        =8
           TITLE  8 '02NSD2'
                    'CA OF G-I SYST EXCEPT ORAL CAVTY,COLON,GALLBLDR WO OPER'
  OWISE
  SELECT OPER1
     WHEN A19,041,202-206,240,26,278,342,350,352,354,356,391,393,
          395,397,403,421,422,430,432-436,440-442,451,460,
          462-465,468-469,474-476,478-483,503,509,512,540,
          545,552,555,557,559,671,673,692,712,920,963,973,
          975                                                           =11
     TITLE  11 '02YSP2'
               'CA OF G-I SYST W EXPLR LAPLTMY,RESECTN INTESTIN,OTH MAJOR OPER'
     OWISE
        SELECT MOREDX
           WHEN 0                                                       =9
           TITLE  9 '02YSP1ND'
                    'CA OF G-I SYST W BIPSY,ENDOSCPY,LOCAL EXCSN,
OTH MINOR OPER WO DX2'
           OWISE                                                        =10
```

```
          TITLE  10 '02YSP1YD'
                    'CA OF G-I SYST W BIPSY,ENDOSCPY,LOCAL EXCSN,OTH
MINOR OPER W DX2'
/*MALIGNANT NEOPLASM OF RESPIRATORY SYSTEM = 3

WHEN 160-1639
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                    =12
           TITLE  12 '03NSND'
                     'CA OF RESP SYST WO OPER WO DX2'
           OWISE                                                     =13
           TITLE  13 '03NSYD'
                     'CA OF RESP SYST WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A29,A46,A51,
          202,203,205,206,290-291,320,322,324,331,341-344,356,
          391,422,436,464,479,804,815,825,864,871,934,942,
          962,972,973                                              =16
     TITLE  16 '03YSP2'
                'CA OF RESP SYST W LOBECTMY,PNEUMONECTMY,OTH MAJOR OPER'
     OWISE
        SELECT MOREDX
           WHEN 0                                                    =14
           TITLE  14 '03YSP1ND'
                     'CA OF RESP SYST W BIPSY,ENDOSCPY,OTH MINOR OPER WO DX2'
           OWISE                                                     =15
           TITLE  15 '03YSP1YD'
                     'CA OF RESP SYST W BIPSY,ENDOSCPY,OTH MINOR OPER W DX2'

/*MALIGNANT NEOPLASM OF SKIN = 4

WHEN 172-1739
  SELECT DX1
     WHEN 173-1739,1722-1724
        SELECT MOREDX
           WHEN 0                                                    =17
           TITLE  17 '04D1ND'
                     'CA OF SKIN EXCEPT MALIG MELANOMA WO DX2'
           OWISE                                                     =18
           TITLE  18 '04D1YD'
                     'CA OF SKIN EXCEPT MALIG MELANOMA W DX2'
     OWISE
        SELECT MOREDX
           WHEN 0                                                    =19
           TITLE  19 '04D2ND'
                     'MALIG MELANOMA WO DX2'
           OWISE                                                     =20
           TITLE  20 '04D2YD'
                     'MALIG MELANOMA W DX2'

/* MALIGNANT NEOPLASM OF BREAST = 5

WHEN 174-1740
  SELECT OPER
     WHEN 000,'   '
        SELECT AGE
           WHEN 0-62                                                 =21
           TITLE  21 '05NSA1'
                     'CA OF BREAST WO OPER OF AGE<63'
           OWISE                                                     =22
           TITLE  22 '05NSA2'
                     'CA OF BREAST WO OPER OF AGE>62'
     OWISE
        SELECT MOREDX
           WHEN 0                                                    =23
           TITLE  23 '05YSND'
                     'CA OF BREAST W OPER WO DX2'
```

```
            OWISE                                                    =24
            TITLE  24 '05YSYD'
                      'CA OF BREAST W OPER W DX2'

/* MALIGNANT NEOPLASM OF FEMALE GENITAL ORGAN = 6

WHEN 180-1849, 2340,6211,6291

  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                    =25
           TITLE  25 '06NSND'
                     'CA OF FEMALE GENITL ORG WO OPER WO DX2'
           OWISE                                                     =26
           TITLE  26 '06NSYD'
                     'CA OF FEMALE GENITL ORG WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A17,A19,A26,A27,A44,032,250,251,252,320,
          321,391,394,395,397,434,474,476,480-483,
          560-561,566,582,671-672,674-675,691-693,
          697,712-713,715,718,723,746,925
        SELECT DX1
           WHEN 182-1829,2340                                        =29
           TITLE  29 '06YSP2D1'
                     'CA OF UTERUS-CORPUS W (HISTRECTMY,EXPLR LAPARTMY,
OTH MAJOR OPER'
           OWISE                                                     =30
           TITLE  30 '06YSP2D2'
                     'CA OF UTERUS-CERVIX OVARY W HISTRECTMY OTH MAJOR OPER'
     OWISE
        SELECT MOREDX
           WHEN 0                                                    =27
           TITLE  27 '06YSP1ND'
                     'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,
OTH MINOR OPER WO DX2'
           OWISE                                                     =28
           TITLE  28 '06YSP1YD'
                     'CA OF FEMALE GENITL ORG W BIPSY,LOCAL EXCISN,
OTH MINOR OPER W DX2'

/* MALIGNANT NEOPLASM OF MALE GENITAL ORGAN = 7

WHEN 185-1879
  SELECT OPER
     WHEN 000,'   '                                                =31
     TITLE  31 '07NS'
               'CA OF MALE GENITL ORG WO OPER'
     OWISE
     SELECT OPER1
     WHEN A21,A29,010,017,030,304,321,382,391,478,511,
          560,563,572,581-583,585,592,601,611                       =34
     TITLE  34 '07YSP2'
               'CA OF MALE GENITL ORG W PROSTECTMY,OTH MAJOR OPER'
     OWISE
        SELECT MOREDX
           WHEN 0                                                    =32
           TITLE  32 '07YSP1ND'
                     'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY WO DX2'
           OWISE                                                     =33
           TITLE  33 '07YSP1YD'
                     'CA OF MALE GENITL ORG W BIPSY,CYSTOSCPY,ORCHIECTMY W DX2'

/* MALIGNANT NEOPLASM OF URINARY SYSTEM = 8

WHEN 188-1899
  SELECT OPER
     WHEN 000,'   '                                                =35
     TITLE  35 '08NS'
               'CA OF URINARY SYST WO OPER'
     OWISE
```

```
      SELECT OPER1
      WHEN A27,A28,032,320,343,382,391,465,474,
           477,478,540-542,544-545,551-553,
           555,560,562-563,718                                    =38
      TITLE  38 '08YSP2'
                'CA OF URINARY SYST W NEPHRECTMY,CYSTECTMY,OTH MAJOR OPER'
      OWISE
         SELECT MOREDX
            WHEN 0                                               =36
            TITLE  36 '08YSP1ND'
                      'CA OF URINARY SYST W CYSTOSCPY,LOCAL EXCISN,
OTH MINOR OPER WO DX2'
            OWISE                                                =37
            TITLE  37 '08YSP1YD'
                      'CA OF URINARY SYST W CYSTOSCPY,LOCAL EXCISN,
OTH MINOR OPER W DX2'

/* MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES = 9

WHEN 170-1719,190-1991
   SELECT OPER
      WHEN 000,'   '
         SELECT DX1
            WHEN 1707,1709,1711-1713,1719,190,192,
                 1922,1924-1925,1930,1942,1950,1960,
                 1963                                            =39
            TITLE  39 '09NSD1'
                      'CA OF BONE,THYROID,CONN TISSUE,NERVES WO OPER'
            OWISE
               SELECT MOREDX
                  WHEN 0                                         =40
                  TITLE  40 '09NSD2ND'
                            'CA OF BRAIN, SECONDARY CA,MULTIPL CA WO OPER WO DX2'
                  OWISE                                          =41
                  TITLE  41 '09NSD2YD'
                            'CA OF BRAIN,SECONDARY CA,MULTIPL CA WO OPER W DX2'
      OWISE
      SELECT OPER1
      WHEN A10-A11,A17-A19,A43,010,013,016-017,022,
           024,030,033,051,092,172,202,205,275,278-279,
           322,324,340,342-343,352-353,391,421,430,
           432,434-435,464-465,474-476,478,480-481,540,
           545,557,560,563,568,582,655,692,713,804,815-816,
           821,825,827,829,857-858,863-864,971-973               =44
      TITLE  44 '09YSP2'
                'CA OF BONE,CONN TISSUE,NERVES,SECONDARY CA,
MULTIPL CA W MAJOR OPER'
      OWISE
         SELECT DX1
            WHEN 1709-1710,1712,190,1900,191,1921,1924-1925,
                 193,1930,1959,1960-1961,1963-1964,1971,
                 1981-1982,1989,1991                             =42
            TITLE  42 '09YSP1D1'
                      'CA OF THYROID,CONN TISSUE,NERVES W BISPY,EXCISN,
OTH MINOR OPER'
            OWISE                                                =43
            TITLE  43 '09YSP1D2'
                      'SECONDARY CA,MULTIPL CA W BIPSY,EXCISN,OTH MINOR OPER'

/*NEOPLASM OF LYMPHATIC AND HEMOPOIETIC TISSUE = 10

WHEN 200-2090

  SELECT AGE
     WHEN 0-15
        SELECT MOREDX
              WHEN 0                                             =45
              TITLE  45 '10A1ND'
                        'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 WO DX2'
              OWISE                                              =46
              TITLE  46 '10A1YD'
                        'NEOPL OF LYMPHATIC,HEMOPOIETIC TISSUE OF AGE<16 W DX2'
     OWISE
```

```
        SELECT OPER
           WHEN 000,'    '
              SELECT DX1
                 WHEN 2000,2001,201,2010,2018,
                      2022,2049,2059,2071-2072,
                      2079,208,2080,209,2090
                    SELECT MOREDX
                       WHEN 0                                          =47
                       TITLE  47 '10A2NSD1ND'
                                 'HODGKINS DIS,RETICULM-CELL SARCMA
WO OPER OF AGE>15 WO DX2'
                       OWISE                                           =48
                       TITLE  48 '10A2NSD1YD'
                                 'HODGKINS DIS,RETICULM-CELL,SARCMA
WO OPER OF AGE>15 W DX2'
                 OWISE                                                 =49
                 TITLE  49 '10A2NSD2'
                           'MULTIPL MYELOMA,LEUKEMIA(LYMPH,MYELOID,MONO)
WO OPER OF AGE>15'
           OWISE
           SELECT OPER1
           WHEN 22,A16,A19,A23,A25,A26,A27,A29,A42,
                A46,A49,A51,193-196,230,251-252,302,
                321,394,474,582,652,670,679,747,756,
                760,804,882,920-921,994
              SELECT MOREDX
                 WHEN 0                                                =50
                 TITLE  50 '10A2YSP1ND'
                           'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS
W MINOR OPER OF AGE>15 WO DX2'
                 OWISE                                                 =51
                 TITLE  51 '10A2YSP1YD'
                           'NEOPL OF LYMPTIC HEMATOPOIETIC TISS
W MINOR OPER OF AGE>15 W DX2'
           OWISE                                                       =52
           TITLE  52 '10A2YSP2'
                     'NEOPL OF LYMPTIC,HEMATOPOIETIC TISS
W MAJOR OPER OF AGE>15'

/*BENIGN NEOPLASM OF FEMALE GENITAL ORGAN = 11

WHEN 218-2219
  SELECT DX1
     WHEN 219,2190,2211-2212,2218
        SELECT MOREDX
           WHEN 0                                                      =53
           TITLE  53 '11D1ND'
                     'BEN NEOPL OF UTERUS(PAPILOMA,POLYP),VAGINA,VULVA WO DX2'

           OWISE                                                       =54
           TITLE  54 '11D1YD'
                     'BEN NEOPL OF UTERUS(PAPILLOMA,POLYP),VAGINA,VULVA W DX2'
     OWISE
        SELECT OPER
           WHEN 000,'    '                                          =55
           TITLE  55 '11D2NS'
                     'BEN NEOPL OF UTERUS(FIBROMA),OVARY WO OPER'
           OWISE
           SELECT OPER1
           WHEN A27,A46,A53,201,472,503,652,670,679,
                682,685-686,689,702-703,708,710-711,
                716,713-719                                            =56
           TITLE  56 '11D2YSP1'
                     'BEN NEOPL OF UTERUS(FIBROMA),OVARY W D&C,
EXCISN UTERUS'
           WHEN A25,205,411,566,672,675,691,692,693-695,
                707,709,713,721,747,825,921                            =59
           TITLE  59 '11D2YSP3'
                     'BEN NEOPL OF UTERUS(FIBROMA),
OVARY W HYSTERECTMY(ABDMINAL VAGINAL)'
           OWISE                                                       =58
           TITLE  58 '11D2YSP2'
                     'BEN NEOPL OF UTERUS(FIBROMA),
OVARY W OOPHORECTMY,HYSTEROMYOMECTMY'
```

```
/*BENIGN NEOPLASM OF OTHER SITES = 12

WHEN 210-2169,222-2330,2341-2399,2552,7434,7571
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 2111,2115,2117,2123,2168,2250,2252,2259,2262,
                2300-2301,2303-2304,2307,2313,2315,2320,
                2350,2362,2375,2381,2391,2399,2552                    =61
           TITLE  61 '12NSD2'
                     'BEN NEOPL OF BRAIN,PITUITRY GL,OTH UNSPEC WO OPER'
           OWISE                                                      =60
           TITLE  60 '12NSD1'
                     'BEN NEOPL OF INTESTIN,URINARY SYST,LIPOMA,
HEMANGIOMA WO OPER'
     OWISE
        SELECT DX1
           WHEN 2112-2114,2119,2124-2125,2139,2220,2231-2232,
                2255,2272,2300-2301,2303,2310,2313,2315,
                2319-2321,2349,235,2350,2362,2369,2399,7434
              SELECT OPER1
                 WHEN A14,A22,A29,A42,A44,A46,010,022,030,
                      032,077,145,252,291,302,320,323,342,
                      391,403,435,470,475,478,485,503,
                      518,544,694,723,862,864                         =67
                 TITLE  67 '12YSD2P2'
                           'BEN NEOPL OF INTESTIN,NERVES W EXPLR LAPLATMY,
OTH MAJOR OPER'
                 OWISE
                    SELECT MOREDX
                       WHEN 0                                         =65
                       TITLE  65 '12YSD2P1ND'
                                 'BEN NEOPL OF INTESTIN NERVES W EXCISN ORG,
OTH MINOR OPER WO DX2'
                       OWISE                                          =66
                       TITLE  66 '12YSD2P1YD'
                                 'BEN NEOPL OF INTESTIN,NERVES W EXCISN ORG,
OTH MINOR OPER W DX2'
           WHEN 2110-2111,2115,2123,2250,2250-2254,2259,
                2261-2262,2304-2307,2370,2373,2381,2384,2552          =68
           TITLE  68 '12YSD3'
                     'BEN NEOPL OF STOMACH,BRAIN,RESP SYST,
PITUITARY GL W OPER'
           OWISE
              SELECT MOREDX
                 WHEN 0                                               =62
                 TITLE  62 '12YSD1ND'
                           'BEN NEOPL OF SKIN BONE,URINARY SYST,
CONN TISS W OPER WO DX2'
                 OWISE
                    SELECT AGE
                       WHEN 0-42                                      =63
                       TITLE  63 '12YSD1YDA1'
                                 'BEN NEOPL OF SKIN,BONE,URINRY SYST,
CONN TIS W OPER W DX2 OF AGE<43'
                       OWISE                                          =64
                       TITLE  64 '12YSD1YDAL'
                                 'BEN NEOPL OF SKIN,BONE,URINRY,SYST,
CONN TIS W OPER W DX2 OF AGE>42'

/*DISEASES OF THYROID AND OTHER ENDOCRINE GLANDS = 13

WHEN 240-2460,251-2551,2559-2589
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 2421-2422,2440,2521,2531-2532,
                2539,2559,2589                                        =70
           TITLE  70 '13NSD2'
                     'GOITER(TOXIC),THYROTOXICOSIS,MYXEDEMA,
PITUITARY HYPOFUNCTN WO OPER'
           OWISE                                                      =69
```

```
          TITLE  69 '13NSD1'
                    'GOITER(SIMPL,NONTOXIC),ENDOC DIS(ADRNL,OTH MINOR) WO OPER'
     OWISE
     SELECT OPER1
     WHEN 77,A10,A18-A19,A27-A28,A43,A45-A46,010-011,
          013,017,090,145,171,198,202,225,231,261,321,
          394,463,468,513,575,653,692,816,823,825,921          =72
     TITLE  72 '13YSP2'
               'ENDOCRINE DISORDER W HYPOPHYSECTMY,
PARATHYROIDECTMY OTH MAJOR OPER'
     OWISE                                                     =71
     TITLE  71 '13YSP1'
               'ENDOCRINE DISORDER W THYROIDECTMY,OTH MINOR OPER'

/*DIABETES = 14

WHEN 250-2509
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0
              SELECT AGE
                 WHEN 0-35                                   =73
                 TITLE  73 '14NSNDA1'
                           'DIABETES OF AGE<36 WO OPER WO DX2 '
                 OWISE                                       =74
                 TITLE  74 '14NSNDA2'
                           'DIABETES OF AGE>35 WO OPER WO DX2 '
           OWISE                                              =75
           TITLE  75 '14NSYD'
                     'DIABETES WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A53,051,135,247-249,251,301,391,462,503,582,
          802,825,855-858,872,920                            =77
     TITLE  77 '14YSP2'
               'DIABETES W AMPUTATN EXTREMITY,OTH MAJOR OPER'
     OWISE                                                    =76
     TITLE  76 '14YSP1'
               'DIABETES W ENDOSCPY,BIPSY,PHOTOCOAGULATN RETINA,OTH MINOR OPER'

/* NUTRITIONAL AND OTHER METABOLIC DISEASES = 15


WHEN 260-2790
  SELECT DX1
     WHEN 2640,2690,2699,2710,2722,2730,279,2790              =80
     TITLE  80 '15D2'
               'METABOLIC DIS OF CYSTIC FIBROSIS,SPRUE,STEATORRHEA,OTH & UNSPEC'
     WHEN 2638,2639,268,2680,2691,2700,2702,2711,
          2733,2734,2754,276,277,2769,2800                    =81
     TITLE  81 '15D3'
               'METABOLIC DIS OF UNSPEC OBESITY,
AMYLOIDOSIS HEPATOLENTICULAR DEGN'
     OWISE
        SELECT MOREDX
           WHEN 0                                            =78
           TITLE  78 '15D1ND'
                     'METABOLIC DIS OF GOUT,GLOBULINOPATHY,XANTHOMATOSIS WO DX2'
           OWISE                                             =79
           TITLE  79 '15D1YD'
                     'METABOLIC DIS OF GOUT,GLOBULINOPATHY,XANTHOMATOSIS W DX2'

/*DISEASES OF BLOOD AND BLOOD FORMING ORGANS = 16


WHEN 280-2890,2894-2899,6345
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0
             SELECT DX1
                WHEN 2820-2821,2824,2829,
                     285,2860-2861,2869,2879,
                     288,2880,2894-2895,2898,6345
```

```
                    SELECT AGE
                       WHEN 0-10                                          =82
                       TITLE  82 '16NSNDD1A1'
                                 'MEDITER ANEMIA,HEMOPHILIA OF AGE<11 WO OPER
WO DX2 '
                       OWISE                                              =83
                       TITLE  83 '16NSNDD1A2'
                                 'MEDITER ANEMIA,HEMOPHILIA OF AGE>10 WO OPER
WO DX2 '
                 OWISE                                                    =84
                 TITLE  84 '16NSNDD2'
                           'HEMOGLOBINOPATHY,THROMBOCYTOPENIA WO OPER
WO DX2 '
           OWISE                                                          =85
           TITLE  85 '16NSYD'
                     'DIS OF BLOOD & BLOOD FORMING ORG WO OPER W DX2'
     OWISE
        SELECT AGE
           WHEN 0-1,54-99                                                 =87
           TITLE  87 '16YSA2'
                     'DIS OF BLOOD & BLOOD FORMING ORG
W OPER OF AGE<1 OR AGE>53'
           OWISE                                                          =86
           TITLE  86 '16YSA1'
                     'DIS OF BLOOD & BLOOD FORMING ORG W OPER OF AGE 2-53'

/*PSYCHOSES NOT ATTRIBUTED TO PHYSICAL CONDITIONS = 17

WHEN 295-2990
  SELECT DX1
     WHEN 2952,2953,2956,2958,2959,2960,2968,2969,
          2970,2979,2981,2982,2983,2989,299,2990                          =88
     TITLE  88 '17D1'
               'SCHIZO(PARANOID,CATATONIC,UNSPEC),INVOL MELANCHOLIA'
     OWISE                                                                =90
     TITLE  90 '17D2'
               'SCHIZO(AFFECTIVE,ACUTE EPISODE) MANIC-DEPRESSIVE PSYCHOSIS'

/* NEUROSES = 18

WHEN 300-3029
  SELECT DX1
     WHEN 3003,3004,3006,301-3019                                         =92
     TITLE  92 '18D2'
               'NEUROSES(OBSESSIVE-COMPULSIVE,DEPRESSIVE),PERSONALITY DISORDERS'
     OWISE                                                                =91
     TITLE  91 '18D1'
               'NEUROSES(ANXIETY,HYSTERICAL,PHOBIC,HYPOCHONDRIACAL,UNSPEC)'

/*ALCOHOLIC MENTAL DISORDER AND ADDICTION = 19

WHEN 291-2919,303-3039
  SELECT MOREDX
     WHEN 0                                                               =93
     TITLE  93 '19ND'
               'ALCOHOLISM WO DX2'

     OWISE                                                                =94
     TITLE  94 '19YD'
               'ALCOHOLISM W LIVER CIRRHOSIS,DELIRIUM TREMENS OR OTH DX2'

/* OTHER MENTAL DISORDERS = 20

WHEN 290-2901,292-2949,304-3159
  SELECT DX1
     WHEN 290-2949,3064,3065,309-3099                                     =96
     TITLE  96 '20D2'
               'PSYCHOSIS,NONPSYCHOSIS RELATED BRAIN CONDITION'
     OWISE                                                                =95
     TITLE  95 '20D1'
               'DRUG DEPENDENCE,PHYS DIS PRESUM PSYCHOGENIC ORIGIN,CEPHALAGIA'
```

```
/* DISEASES OF CENTRAL NERVOUS SYSTEM = 21

WHEN 320-3499
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 320-3209,322-3230,
                3300,3303,3309-3310,3320,340,3400,
                342-3420,3441-3443,3471,349-3499                    =99
           TITLE  99 '21NSD2'
                     'MULTIPL SCLEROSIS,PARALYSIS AGITANS,MENINGITIS,
HEMIPLEGIA WO OPER'
           OWISE
              SELECT MOREDX
                 WHEN 0                                             =97
                 TITLE  97 '21NSD1ND'
                           'EPILEPSY,MIGRAINE,BRAIN DIS(UNSPEC)
WO OPER WO DX2'
                 OWISE                                              =98
                 TITLE  98 '21NSD1YD'
                           'EPILEPSY,MIGRAINE,BRAIN DIS(UNSPEC)
WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A10,A18-A20,A29,A43,A47-A48,010,013,015-016,022,
          030-031,035,040,046,145,197,205,320,362,474-475,
          552,575,581-582,689,825,860,864,871,874,921,933,993    =101
     TITLE  101 '21YSP2'
                'DIS OF CENTRAL NERVOUS SYST W MAJOR OPER'
     OWISE                                                        =100
     TITLE  100 '21YSP1'
                'DIS OF CENTRAL NERVOUS SYST W MINOR OPER'

/* DISEASES OF PERIPHERAL NERVOUS SYSTEM = 22

WHEN 350-3580,3589
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 350-3500,351-3510,355-3559,
                356-3560,357-3573,
                3579                                             =102
           TITLE  102 '22NSD1'
                      'FACIAL PARALYSIS,NEURALGIA (TRIGEMINAL,OTH UNSPEC)
WO OPER'
           OWISE                                                 =103
           TITLE  103 '22NSD2'
                      'SCIATICA, POLYNEURITIS WO OPER'
     OWISE
        SELECT DX1
           WHEN 356,3560,357,3572,3589                          =104
           TITLE  104 '22YSD1'
                      'DIS OF MEDIAN NERVE W OPER'
           OWISE
              SELECT OPER1
                 WHEN A11,A44,010,040,042-046,
                      048,052,059,117,173,180,
                      242,329,334,670,843,850,
                      869,880-881,885,894,921,943                =105
                 TITLE  105 '22YSD2P1'
                            'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MINOR OPER'
                 OWISE                                          =106
                 TITLE  106 '22YSD2P2'
                            'DIS OF PERIPHERAL NERVES EXCEPT MEDIAN W MAJOR OPER'

/* DISEASES OF EYE = 23

WHEN 360-3789
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
```

```
            WHEN 362,3620,3630,3639,364,3640,365,3650,
                 366,3660,367,3670,369,3690,3739,3750,
                 3751,376,3760,3770-3771,3775,3781,
                 3786-3787,3789                                    =108
            TITLE  108 '23NSD2'
                       'GLAUCOMA,KERATITIS(ULCERATN),
DIS(UVEA,OPTIC NERVE,RETINA) WO OPER'
            OWISE                                                  =107
            TITLE  107 '23NSD1'
                       'STRABISMUS,CATARACT,CHALAZION WO OPER'
      OWISE
      SELECT OPER1
      WHEN A19,A27,A49,061,063-065,069,071-074,
           076-077,082-084,086,089,091,093-094,10,
           103-106,108-112,115,119,125,127,129,139-140,143,
           147,176-177,199,391,395,665,716,808,883,885,
           921,930,942-943                                         =109
      TITLE  109 '23YSP1'
                 'DIS OF EYE W MYMECTMY,BLEPHARORRHAPHY,OTH MINOR OPER'
      WHEN A12,A26,C45,C60,062,070,085,090,101,116-117,121,
           123,126,131-132,134,141-142,144-145,149,170,
           190,704,850,925,971,994                                 =110
      TITLE  110 '23YSP2'
                 'DIS OF EYE W EXTRACTN LENS,SCLEROTMY,SCLERECTMY'
      OWISE                                                        =111
      TITLE  111 '23YSP3'
                 'DIS OF EYE W REATTACHMENT OF RETINA,KERATOPLASTY'

/* DISEASES OF EAR AND MASTOID PROCESS = 24

WHEN 380-3879
  SELECT OPER
      WHEN 000,'   '
         SELECT DX1
            WHEN 380,3800,3820,3830,384,3840,3849,385,
                 3850,3879                                         =113
            TITLE  113 '24NSD2'
                       'LABYRINTHITIS,MENIERE''S DIS WO OPER'
            OWISE                                                  =112
            TITLE  112 '24NSD1'
                       'OTITIS MEDIA,CHRONIC MASTOIDITIS,OTOSCLEROSIS WO OPER'
      OWISE
      SELECT OPER1
      WHEN 165,17,170,175,179,195,204,212,213,219,749,921,940      =114
      TITLE  114 '24YSP1'
                 'DIS OF EAR W MYRINGOTMY,ADENOIDECTMY OR OTH MINOR OPER'
      WHEN A13,A27,A43,A45-A46,010,093,114,12,121,123,144,160-163,
           172-173,180,390,435,653,923,941                         =116
      TITLE  116 '24YSP3'
                 'DIS OF EAR W MASTOIDECTMY, EXCISN MIDDLE EAR,
OTH MAJOR OPER'
      OWISE                                                        =115
      TITLE  115 '24YSP2'
                 'DIS OF EAR W STAPECTMY,TYMPANOPLASTY'

/* HYPERTENSIVE HEART DISEASES = 25

WHEN 400-4040
  SELECT OPER
      WHEN 000,'   '
         SELECT MOREDX
            WHEN 0                                                 =117
            TITLE  117 '25NSND'
                       'HYPERTENSIVE HEART DIS WO OPER WO DX2'
            OWISE
               SELECT DX1
                  WHEN 401,4010                                    =118
                  TITLE  118 '25NSYDD1'
                             'ESSENTIAL BEN HYPERTENSION WO OPER W DX2'
                  OWISE                                            =119
                  TITLE  119 '25NSYDD2'
                             'MALIG HYPERTENSN,HYPERTENSIVE DIS(HT RENAL)
WO OPER W DX2'
```

```
     OWISE                                                          =120
     TITLE  120 '25YS'
                'HYPERTENSIVE HEART DIS W OPER'

/* ACUTE MYOCARDIAL INFARCTION = 26

WHEN 410-4109                                                       =121
TITLE  121 '26'
           'ACUTE MYOCARDIAL INFARCTION'

/* ISCHEMIC HEART DISEASES EXCEPT AMI = 27

WHEN 411-4149
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                   =122
           TITLE  122 '27NSND'
                      'ISCHEMIC HEART DIS EXCEPT AMI WO OPER WO DX2'
           OWISE                                                    =123
           TITLE  123 '27NSYD'
                      'ISCHEMIC HEART DIS EXCEPT AMI WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN 302,303                                                   =125
     TITLE  125 '27YSP1'
                'ISCHEMIC HEART DIS EXCEPT AMI W CARDIAC CATHETERIZATION'
     WHEN 022,051,145,189,205,206,242,247,265,273,275,
          282,285,292,294,295,298,307,309,321,359,391,
          435,464,466,472,475,513,560,582,590,653,756,
          806,825,857,856,933                                       =127
     TITLE  127 '27YSP3'
                'ISCHEMIC HEART DIS EXCEPT AMI W SHUNT OPER,OTH MAJOR OPER'
     OWISE                                                          =126
     TITLE  126 '27YSP2'
                'ISCHEMIC HEART DIS EXCEPT AMI W ENDOSCPY
INSERTN OF ELECTR DEVICE'

/* ARRYTHMIA AND SLOWED CONDUCTION = 28

WHEN 3581,4272-4279
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                   =128
           TITLE  128 '28NSND'
                      'ARRYTHMIA & SLOWED CONDUCTN WO OPER
WO DX2 '
           OWISE                                                    =129
           TITLE  129 '28NSYD'
                      'ARRYTHMIA & SLOWED CONDUCTN WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN 018,041,201,30,302,303,305,308,321,357,582,685,889,
          921,925                                                   =130
     TITLE  130 '28YSP1'
                'ARRYTHMIA & SLOWED CONDUCTN W REPLACE HT DEVICE,
HT CATHETRIZATN'
     OWISE                                                          =131
     TITLE  131 '28YSP2'
                'ARRYTHMIA & SLOWED CONDUCTN W INSERTN OF ELECTRIC HT DEVICE'

/* HEART FAILURE = 29

WHEN 4270-4271,7824
  SELECT OPER
     WHEN 000,'   '                                               =132
     TITLE  132 '29NS'
                'HEART FAILURE WO OPER'
     OWISE                                                          =133
     TITLE  133 '29YS'
```

```
                'HEART FAILURE W OPER'
/* CARDITIS,VALVULAR AND OTHER DISEASES = 30

WHEN 390-3980,420-4260,428-4299
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                    = 134
           TITLE  134 '30NSND'
                      'CARDITIS,VALVULAR HEART DIS WO OPER WO DX2 '
           OWISE                                                     =135
           TITLE  135 '30NSYD'
                      'CARDITIS VALVULAR HEART DIS WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A29,A43,A45,051,242,250,284,285,287,295,302,303,308,
          394,571,574,682,685,703,705,833,862,921,925,994
        SELECT MOREDX
           WHEN 0                                                    =136
           TITLE  136 '30YSP1ND'
                      'CARDITIS,VALVULAR HEART DIS W HT CATHETRIZATN
WO DX2 '
           OWISE                                                     =137
           TITLE 137 '30YSP1YD'
                     'CARDITIS VALVULAR HEART DIS W HT CATHETERIZATN W DX2'
     OWISE                                                           =138
     TITLE  138 '30YSP2'
                'CARDITIS,VALVULAR HEART DIS W HT VALVE OPER OTH MAJOR OPER'

/* CEREBROVASCULAR DISEASES = 31

WHEN 430-4389
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 435-4359,4389
              SELECT MOREDX
                 WHEN 0                                              =139
                 TITLE  139 '31NSD1ND'
                            'TRANSIENT CEREBRAL ISCHEMIA WO OPER WO DX2 '
              OWISE                                                  =140
              TITLE  140 '31NSD1YD'
                         'TRANSIENT CEREBRAL ISCHEMIA WO OPER W DX2'
           WHEN 4329,4340-4349,437-4379,4380
              SELECT MOREDX
                 WHEN 0                                              =141
                 TITLE  141 '31NSD2ND'
                            'CEREBRAL THROMBO-EMBOLISM WO OPER WO DX2 '
                 OWISE                                               =142
                 TITLE  142 '31NSD2YD'
                            'CEREBRAL THROMBO-EMBOLISM WO OPER W DX2'
           OWISE
              SELECT MOREDX
                 WHEN 0                                               =143
                 TITLE  143 '31NSD3ND'
                            'HEMORRHAGE(CEREBRAL,SUBARACHNOID)
WO OPER WO DX2 '
                 OWISE                                               =144
                  TITLE  144 '31NSD3YD'
                             'HEMORRHAGE(CEREBRAL,SUBARACHNOID) WO OPER W DX2'
     OWISE                                                         =145
     TITLE  145 '31YS'
                'CEREBROVASCULAR DISEASES W OPER'

/* DISEASES OF VASCULAR SYSTEM = 32

WHEN 2891-2893,440-4431,4438-4480,452-4549,456-4589
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 4402,4409,4410,4412,4419,442,4420,4431,
```

```
                4439,4440,4441,4443,4450-4470,452,453,
                4530,4540,4541,4560,4589
              SELECT MOREDX
                WHEN 0                                                  =147
                TITLE  147 '32NSD2ND'
                           'ARTERIOSCLEROSIS,THROMBO-EMBO(ARTERY)
WO OPER WO DX2 '
                OWISE                                                   =148
                TITLE  148 '32NSD2YD'
                           'ARTERIOSCLEROSIS,THROMBO-EMBO(ARTERY)
WO OPER W DX2'
           OWISE                                                        =146
           TITLE  146 '32NSD1'
                      'LYMPHADENITIS,UNSPEC VARICOSE(LOWER EXT),
RAYNAUDS SYND WO OPER'
     OWISE
        SELECT OPER1
           WHEN A14,A22,A27,A53,174,195,196,244,250-252,260,
                303,321,329,382,395,411,568,592,593,599,612,671,
                673,682,685,689,702,714,806,850,851,861,882,920,
                930-932,951,955,962
              SELECT AGE
                WHEN 0-50                                               =149
                TITLE  149 '32YSP1A1'
                           'DIS OF VASCULAR SYST W EXCISN VARICOSE,
OTH MINOR OPER OF AGE<51'
                OWISE                                                   =150
                TITLE  150 '32YSP1A2'
                           'DIS OF VASCULAR SYST W EXCISN VARICOSE,
OTH MINOR OPER OF AGE>50'
           WHEN A25,A42,A49,A59,010,013,024,241,247,263-265,
                268,270,273,275,277,280,284,285,294,298,320,
                322,342,343,381,394,434,435,462,468,501,
                544,545,582,852,856-858,871,922,929,933                 =153
           TITLE  153 '32YSP3'
                      'DIS OF VASCULAR SYST W RECONSTRUCTN ARTERY,
AMPUTATN EXTREMITY'
           OWISE
              SELECT MOREDX
                WHEN 0                                                  =151
                TITLE  151 '32YSP2ND'
                           'DIS OF VASCULAR SYST W SYMPATHECTMY,
EXCISN VESSEL WO DX2'
                OWISE                                                   =152
                TITLE  152 '32YSP2YD'
                           'DIS OF VASCULAR SYST W SYMPATHECTMY,
EXCISN VESSEL W DX2'
/* PULMONARY EMBOLISM = 33

WHEN 450-4500
  SELECT MOREDX
     WHEN 0                                                             =154
     TITLE  154 '33ND'
                'PULMONARY EMBOLISM WO DX2 '
     OWISE                                                              =155
     TITLE  155 '33YD'
                'PULMONARY EMBOLISM W DX2'

/* PHLEBITIS AND THROMBOPHLEBITIS = 34

WHEN 451-4519
   SELECT MOREDX
      WHEN 0                                                            =156
     TITLE  156 '34ND'
                'PHLEBITIS & THROMBOPHLEBITIS WO DX2 '
     OWISE                                                              =157
     TITLE  157 '34YD'
                'PHLEBITIS & THROMBOPHLEBITIS W DX2'

/* HEMORRHOIDS = 35
```

```
WHEN 455-4550                                                    =158
TITLE  158 '35'
           'HEMORRHOIDS'

/* HYPERTROPHY OF TONSIL AND ADENOID = 36

WHEN 500-5000                                                    =159
TITLE  159 '36'
           'HYPERTROPHY OF TONSIL & ADENOID'

/* ACUTE URI AND INFLUENZA = 37

WHEN 460-4650,470-4740
  SELECT AGE
     WHEN 0-44                                                   =160
     TITLE  160 '37A1'
                'ACUTE URI & INFLUENZA OF AGE<45'
     OWISE                                                       =161
     TITLE  161 '37A2'
                'ACUTE URI & INFLUENZA OF AGE>44'

/* OTHER DISEASES OF UPPER RESPIRATORY TRACT = 38

WHEN 501-5089
  SELECT OPER
     WHEN 000,'   '                                            =162
     TITLE  162 '38NS'
                'DIS OF UPPER RESP TRACT EXCEPT ACUTE URI & INFLUENZA WO OPER'
     OWISE
     SELECT OPER1
     WHEN A13,A14,A16,A19,A42,020,051,093,180,190,
          191,194,199,201,204,209,211,212,213,219,571,
          800,936,962,994                                      =163
     TITLE  163 '38YSP1'
                'DIS OF UPPER RESP TRACT W BIPSY,ENDOSCPY,SECTN NASAL SEPTUM'
     OWISE                                                     =164
     TITLE  164 '38YSP2'
                'DIS OF UPPER RESP TRACT W RHINOPLASTY,
SINUSOTOMY,PLASTIC OPER NOSE'

/* PNEUMONIA = 39

WHEN 480-4860
  SELECT OPER
     WHEN 000,'   '
        SELECT AGE
           WHEN 0-30                                           =165
           TITLE  165 '39NSA1'
                      'PNEUMONIA OF AGE<31'
           OWISE
              SELECT MOREDX
                 WHEN 0                                        =166
                 TITLE  166 '39NSA2ND'
                            'PNEUMONIA OF AGE>30 WO DX2 WO OPER'
                 OWISE                                         =167
                 TITLE  167 '39NSA2YD'
                            'PNEUMONIA OF AGE>30 W DX2 WO OPER'
     OWISE                                                     =168
     TITLE  168 '39YS'
                'PNEUMONIA W OPER'

/* BRONCHITIS = 40

WHEN 466-4660,490-4910
  SELECT AGE
     WHEN 0-45                                                 =169
     TITLE  169 '40A1'
                'BRONCHITIS OF AGE<46'
     OWISE
        SELECT MOREDX
```

```
            WHEN 0                                                    =170
            TITLE  170 '40A2ND'
                       'BRONCHITIS OF AGE>45 WO DX2'
            OWISE                                                     =171
            TITLE  171 '40A2YD'
                       'BRONCHITIS OF AGE>45 W  DX2'

/* ASTHMA = 41

WHEN 493-4930
  SELECT AGE
     WHEN 0-30                                                        =172
     TITLE  172 '41A1'
                'ASTHMA OF AGE<31'
     OWISE
        SELECT MOREDX
           WHEN 0                                                     =173
           TITLE  173 '41A2ND'
                      'ASTHMA OF AGE>30 WO DX2'
           OWISE                                                      =174
           TITLE  174 '41A2YD'
                      'ASTHMA OF AGE>30 W DX2'

/* OTHER LUNG AND PLEURAL DISEASES = 42

WHEN 492-4920,510-5199
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 5110,512,5120,514,5140,5159,5180,5199                 =175
           TITLE  175 '42NS01'
                      'PNEUMOTHORAX,PLEURISY,PUL CONGESTN WO OPER'
           OWISE
              SELECT MOREDX
                 WHEN 0                                               =176
                 TITLE  176 '42NSD2ND'
                            'EMPHYSEMA,EMPYEMA,ABSCESS,ACUTE EDEMA
WO OPER WO DX2 '
                 OWISE                                                =177
                 TITLE  177 '42NSD2YD'
                            'EMPHYSEMA,EMPYEMA,ABSCESS,ACUTE EDEMA
 WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A16,A18,A19,A23,A42,A43,A45,A47,040,074,161,208,209,212,
          251,302,304,308,320,321,345,394,581,652,804,816,861,925,942
        SELECT MOREDX
           WHEN 0                                                     =178
           TITLE  178 '42YSP1ND'
                      'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACOTMY,
OTH MIN OPER WO DX2'
           OWISE                                                      =179
           TITLE  179 '42YSP1YD'
                      'DIS OF LUNG & PLEURA W BRONCHOSCPY,THORACOTMY,
OTH MINOR OPER W DX2'
     OWISE                                                            =180
     TITLE  180 '42YSP2'
                'DIS OF LUNG & PLEURA W LOBECTOMY,OTH MAJOR OPER'

/* DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS = 43

WHEN 520-5299
  SELECT DX1
     WHEN 520-5215                                                    =181
     TITLE  181 '43D1'
                'MINOR PROBLEMS OF TEETH'
     OWISE                                                            =182
     TITLE  182 '43D2'
                'MAJOR PROBLEMS OF TEETH,DIS(JAW,SALIVARY GLAND,
OTH ORAL SOFT TISS)

/* GASTRIC AND PEPTIC ULCER = 44
```

```
WHEN 531-5349
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                    =183
           TITLE  183 '44NSND'
                      'GASTRIC & PEPTIC ULCER WO OPER WO DX2'
           OWISE                                                     =184
           TITLE  184 '44NSYD'
                      'GASTRIC & PEPTIC ULCER WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN 045,051,072,273,391,393,451,460,462-467,
          474,479-480,502,546,582,619,756,871,468
        SELECT MOREDX
           WHEN 0                                                    =186
           TITLE  186 '44YSP2ND'
                      'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,
OTH MAJOR OPER WO DX2'
           OWISE                                                     =187
           TITLE  187 '44YSP2YD'
                      'GASTRIC & PEPTIC ULCER W GASTRIC RESECTN,
OTH MAJOR OPER W DX2'
     OWISE                                                           =185
     TITLE  185 '44YSP1'
                'GASTRIC & PEPTIC ULCER W BIPSY,ENDSCPY,ENTRORRHAPHY,
OTH MINOR OPER'

/* UPPER GI DISEASES EXCEPT GASTRIC AND PEPTIC ULCER = 45

WHEN 530-5309,535-5379
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                    =188
           TITLE  188 '45NSND'
                      'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER WO DX2'
           OWISE                                                     =189
           TITLE  189 '45NSYD'
                      'UPPER G-I DIS EXCEPT PEPTIC ULCER WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A18,A27,A42,A44,A45,A49,216,302,354,357,
          362,461,703,816,881,920,921,993
        SELECT MOREDX
           WHEN 0                                                    =190
           TITLE  190 '45YSP1ND'
                      'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,
OTH MINOR OPER WO DX2'
           OWISE                                                     =191
           TITLE  191 '45YSP1YD'
                      'UPPER G-I DIS EXCEPT PEPTIC ULCER W ENDSCPY,
OTH MINOR OPER W DX2'
     OWISE                                                           =192
           TITLE  192 '45YSP2'
                      'UPPER G-I DIS EXCEPT PEPTIC ULCER W MAJOR OPER'

/* APPENDICITIS = 46

WHEN 540-5430
  SELECT DX1
     WHEN 540-5400
        SELECT MOREDX
           WHEN 0                                                    =195
           TITLE  195 '46D2ND'
                      'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) WO DX2'
           OWISE                                                     =196
           TITLE  196 '46D2YD'
                      'APPENDICITIS(WITH PERITONITIS,UNQUALIFIED,OTH) W DX2'
     OWISE
        SELECT MOREDX
```

```
            WHEN 0                                                    =193
            TITLE  193 '46D1ND'
                       'APPENDICITIS(WITHOUT PERITONITIS) WO DX2'
            OWISE                                                     =194
            TITLE  194 '46D1YD'
                       'APPENDICITIS(WITHOUT PERITONITIS) W DX2'

/* HERNIA OF ABDOMINAL CAVITY = 47

WHEN 550-5539
  SELECT AGE
     WHEN 0-14                                                        =197
     TITLE  197 '47A1'
                'ABD HERNIA OF AGE<15'
     WHEN 15-64
        SELECT DX1
           WHEN 550,5500,5511
              SELECT MOREDX
                 WHEN 0                                              =198
                 TITLE  198 '47A2D1ND'
                            'INGUINAL HERNIA (WO OBSTRUCTN) OF 14<AGE<65 WO DX2'
                 OWISE                                               =199
                 TITLE  199 '47A2D1YD'
                            'INGUINAL HERNIA (WO OBSTRUCTN) OF 14<AGE<65 W DX2'
           OWISE
              SELECT OPER
                 WHEN 000,'   '                                      =200
                 TITLE  200 '47A2D2NS'
                            'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65
WO OPER'
                 OWISE
                 SELECT OPER1
                 WHEN A18,A43,A44,A49,357,382,
                      383,384,387,388,395,397,399,
                      591,685                                        =201
                 TITLE  201 '47A2D2YSP1'
                            'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65
W MINOR REPAIR OPER'
                 OWISE                                               =202
                 TITLE  202 '47A2D2YSP2'
                            'ABD HERNIA EXCEPT SIMPLE INGUINAL OF 14<AGE<65
W MAJOR REPAIR OPER'
     OWISE
        SELECT OPER
           WHEN 000,'   '                                            =203
           TITLE  203 '47A3NS'
                      'ABD HERNIA OF AGE>64 WO OPER'
           OWISE
           SELECT OPER1
           WHEN A18,A22,A43,A44,A45,357,382,383,384,385,
                387,390,395,397,402,472,513,713                      =204
           TITLE  204 '47A3YSP1'
                      'ABD HERNIA OF AGE>64 W MINOR REPAIR OPER'
           OWISE                                                     =205
           TITLE  205 '47A3YSP2'
                      'ABD HERNIA OF AGE>64 W MAJOR REPAIR OPER'

/* ENTRITIS,DIVERTICULA,AND FUNCTIONAL DISORDER OF INTESTINE = 48

WHEN 561-5649
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 5621,5630-5631,5639                                  =207
           TITLE  207 '48NSD2'
                      'INTESTIN DIVERTICULA,REGIONAL ENTERITIS,
ULCERATIVE COLITIS WO OPER'
           OWISE                                                     =206
           TITLE  206 '48NSD1'
                      'FUNCTNAL DISORDER INTESTINE WO OPER'
     OWISE
     SELECT OPER1
     WHEN A26,A27,A29,269,390-391,393,397,403,462,465,
```

```
          470-472,474-476,478,481-482,502-504,540,563,
          575,582,652,718,921,924,993-994                              =210
     TITLE  210 '48YSP2'
                'INTESTIN(DIVERTICULA,FUNCTNL DISORDER)
W PESECTN,OTH MAJOR OPER'
     OWISE
        SELECT MOREDX
           WHEN 0                                                      =208
           TITLE  208 '48YSP1ND'
                      'INTESTIN(DIVERTICULA,FUNCTNL DISORDER)
W MINOR OPER WO DX2'
           OWISE                                                       =209
           TITLE  209 '48YSP1YD'
                      'INTESTIN(DIVERTICULA,FUNCTNL DISORDER)
W MINOR OPER W DX2'

/* DISEASES OF ANUS = 49


WHEN 565-5660,665-6850
  SELECT MOREDX
     WHEN 0                                                           =211
     TITLE  211 '49ND'
                'DIS OF ANUS WO DX2'
     OWISE                                                            =212
     TITLE  212 '49YD'
                'DIS OF ANUS W DX2'

/* MISCELLANEOUS DISEASES OF INTESTINE AND PERITONEUM = 50


WHEN 560-5609,567-5699
  SELECT OPER
     WHEN 000,'   '
        SELECT AGE
           WHEN 0-55                                                  =213
           TITLE  213 '50NSA1'
                      'MISC DIS OF INTESTN & PERITONEUM OF AGE<56 WO OPER'
           OWISE
              SELECT MOREDX
                 WHEN 0                                               =214
                 TITLE  214 '50NSA2ND'
                            'MISC DIS OF INTESTN & PERITONEUM OF AGE>55
WO OPER WO DX2'
                 OWISE                                                =215
                 TITLE  215 '50NSA2YD'
                            'MISC DIS OF INTESTN & PERITONEUM OF AGE>55
WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A53,240,246,247,465,501,502,508,510,512,513,514,
          516,518,599,671,689,703,712,748,889,925,994                 =216
     TITLE  216 '50YSP1'
                'MISC DIS OF INTESTN & PERITONEUM W LOCAL INCISN,EXCISN'
     WHEN A20,A27,A28,277,382,389,391,393,403,411,430,434,
          435,460,461,462,466,470,471,474,475,476,477,478,
          479,482,483,484,503,505,560,569,575,582,612,864,
          920,921
        SELECT MOREDX
           WHEN 0                                                     =219
           TITLE  219 '50YSP3ND'
                      'MISC DIS OF INTESTN & PERITONEUM W MAJOR OPER WO DX2'
           OWISE                                                      =220
           TITLE  220 '50YSP3YD'
                      'MISC DIS OF INTESTN & PERITONEUM W MAJOR OPER W DX2'
     OWISE
        SELECT MOREDX
           WHEN 0                                                     =217
           TITLE  217 '50YSP2ND'
                      'MISC DIS OF INTESTN & PERITONEUM
W ENDOSCOPY OF INTESTINE WO DX2'
           OWISE                                                      =218
           TITLE  218 '50YSP2YD'
                      'MISC DIS OF INTESTN & PERITONEUM
W ENDOSCOPY OF INTESTINE W DX2'
```

```
/* DISEASES OF LIVER = 51

WHEN 070-0700,9992,570-5739
  SELECT DX1
     WHEN 070,0700,9992,570,5700,5730
        SELECT AGE
           WHEN 0-40                                                    =221
           TITLE  221 '51D1A1'
                      'HEPATITIS(INFECTIOUS,SERUM),SUBACUTE NECROSIS OF LIVER
OF AGE<41'
           OWISE                                                        =222
           TITLE  222 '51D1A2'
                      'HEPATITIS(INFECTIOUS,SERUM),SUBACUTE NECROSIS OF LIVER
OF AGE>40'
     OWISE
        SELECT MOREDX
           WHEN 0                                                       =223
           TITLE  223 '51D2ND'
                      'LIVER CIRRHOSIS WO DX2 '
           OWISE                                                        =224
           TITLE 224 '51D2YD'
                      'LIVER CIRRHOSIS W DX2'

/* DISEASES OF GALL BLADDER AND BILE DUCT = 52

WHEN 574-5769
  SELECT OPER
     WHEN 000,'    '
        SELECT AGE
           WHEN 0-50                                                    =225
           TITLE  225 '52NSA1'
                      'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE<51'
           OWISE                                                        =226
           TITLE  226 '52NSA2'
                      'DIS OF GALL BLADDER & BILE DUCT WO OPER OF AGE>50'
     OWISE
        SELECT MOREDX
           WHEN 0                                                       =227
           TITLE  227 '52YSND'
                      'DIS OF GALL BLADDER & BILE DUCT W OPER WO DX2'
           OWISE
              SELECT AGE
                 WHEN 0-64                                              =228
                 TITLE  228 '52YSYDA1'
                            'DIS OF GALL BLADDER & BILE DUCT W OPER
W DX2 OF AGE<65'
                 OWISE                                                  =229
                 TITLE  229 '52YSYDA2'
                            'DIS OF GALL BLADDER & BILE DUCT W OPER
W DX2 OF AGE>64 '

/* DISEASES OF PANCREAS = 53

WHEN 577-5779
  SELECT OPER
     WHEN 000,'    '                                                  =230
     TITLE  230 '53NS'
                'DIS OF PANCREAS WO OPER'
     OWISE                                                            =231
     TITLE  231 '53YS'
                'DIS OF PANCREAS W OPER'

/* DISEASES OF KIDNEY AND URETER = 54

WHEN 580-5910,593-5935,792-7920
  SELECT OPER
     WHEN 000,'    '
        SELECT MOREDX
           WHEN 0                                                       =232
           TITLE  232 '54NSND'
```

```
                    'DIS OF KIDNEY & BLADDER WO OPER WO DX2'
          OWISE
             SELECT DX1
                WHEN 583,5830,584,5840,
                     5901,593,5930,5934,5935                          =233
                TITLE  233 '54NSYD01'
                           'NEPHRITIS(UNQUALIFIED)
,PYELONEPHRITIS(OTH) WO OPER W DX2'
                OWISE
                   SELECT AGE
                      WHEN 0-64                                       =234
                      TITLE  234 '54NSYD02A1'
                                 'NEPHROTIC SYND,NEPHRITIS(CHR)
,UREMIA WO OPER W DX2 OF AGE<65'
                      OWISE                                           =235
                      TITLE  235 '54NSYD02A2'
                                 'NEPHROTIC SYND, NEPHRITIS(CHR),
UREMIA WO OPER W DX2 OF AGE>64'
     OWISE
     SELECT OPER1
     WHEN A20,A21,A23,A25,A26,A44,A45,A46,A49,145,
          240,247,248,277,301,321,391,409,435,472,475,
          501,502,543,549,557,559,563,568,571,572,
          574,575,579,590,595,652,682,685,703,771,920,921,933
        SELECT DX1
          WHEN 583,5830,584,5840,5901,593,
               5930,5934,5935                                         =236
          TITLE  236 '54YSP1D1'
                     'DIS OF URETER,NEPHROTIC SYND W CYSTSCPY,BIPSY,
OTH MINOR OPER'
          OWISE                                                      =237
          TITLE  237 '54YSP1D2'
                     'NEPHRITIS,NEPHROSIS,PYELITIS, W CYSTSCPY,BIPSY,
OTH MINOR OPER'
     OWISE                                                           =238
     TITLE  238 '54YSP2'
                'DIS OF KIDNEY & URETER W NEPHRECTMY,KID TRANSPLANT,
OTH MAJOR OPER'

/* URINARY CALCULUS = 55

WHEN 592-5920,594-5940
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
          WHEN 0                                                     =239
          TITLE  239 '55NSND'
                     'URINARY CALCULUS WO OPER WO DX2'
          OWISE                                                      =240
          TITLE  240 '55NSYD'
                     'URINARY CALCULUS WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A27,A44,513,540-541,543-546,549-550,556,
          558,560-563,566,570,582-583,685                              =242
     TITLE  242 '55YSP2'
                'URINARY CALCULUS W NEPHROTMY,CYSTOTMY,URETEROTMY,
OTH MAJOR OPER'
     OWISE                                                           =241
     TITLE  241 '55YSP1'
                'URINARY CALCULUS W CYSTSCPY,CATHETER TO KIDNEY,  '
OTH MINOR OPER'

/* CYSTITIS AND OTHER URINARY DISEASES = 56

WHEN 595-5999
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
          WHEN 0                                                     =243
          TITLE  243 '56NSND'
                     'CYSTITIS W OTH URINARY DIS WO OPER WO DX2'
          OWISE
```

```
            SELECT DX1
               WHEN 595,5950,5962,597,
                    5970,598,5980                                    =244
               TITLE  244 '56NSYDD1'
                          'CYSTITIS,URETHRITIS,
STRICTURE URETHRA WO OPER W DX2'
               OWISE
                  SELECT AGE
                     WHEN 0-45                                       =245
                     TITLE  245 '56NSYDD2A1'
                                'BLADDER(FISTULA,DIVERTICULA,OTH DIS)
,WO OPER W DX2 OF AGE<46'
                     OWISE                                           =246
                     TITLE  246 '56NSYDD2A2'
                                'BLADDER(FISTULA,DIVERTICULA,OTH DIS)
WO OPER W DX2 OF AGE>45'
   OWISE
   SELECT OPER1
   WHEN A23,A42,571,712,725,749,922                                  =247
   TITLE  247 '56YSP1'
              'DIS OF BLADDER & URETHRA W MEATOTOMY'
   WHEN A45,031,226,247,391,435,468,508,510,541,544,
        546,552,553,555,556,558,560,563,565,
        566,568,581,582,595,610,612,685,711,713                      =250
   TITLE  250 '56YSP3'
              'DIS OF BLADDER & URETHRA W CYSTECTMY,PROSTECTMY,OTH MAJOR OPER'
   OWISE
      SELECT AGE
         WHEN 0-14                                                   =248
         TITLE  248 '56YSP2A1'
                    'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,
DIL,REPAIR OF AGE<15'
         OWISE                                                       =249
         TITLE  249 '56YSP2A2'
                    'DIS OF BLADDER & URETHRA W CYSTSCPY,EXCISN,
DIL,REPAIR OF AGE>14'

/* DISEASES OF PROSTATE = 57


WHEN 600-6020
  SELECT OPER
   WHEN 600,'   '                                                    =251
   TITLE  251 '57NS'
              'DIS OF PROSTATE WO OPER'
   OWISE
   SELECT OPER1
   WHEN A18,A21,A22,A46,557,561,570,571,572,574,
        575,580,594,612,994
      SELECT MOREDX
         WHEN 0                                                      =252
         TITLE  252 '57YSP1ND'
                    'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY WO DX2'
         OWISE                                                       =253
         TITLE  253 '57YSP1YD'
                    'DIS OF PROSTATE W CYSTOSCPY,DIL URETHRA,BIPSY W DX2'
   WHEN A26,A44,202,382,435,555,562,563,566,
        569,581,601,602,873                                          =256
   TITLE  256 '57YSP3'
              'DIS OF PROSTATE W SUPRAPUBIC PROSTECTOMY'
   OWISE
      SELECT MOREDX
         WHEN 0                                                      =254
         TITLE  254 '57YSP2ND'
                    'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY WO DX2'
         OWISE                                                       =255
         TITLE  255 '57YSP2YD'
                    'DIS OF PROSTATE W TRANSURETHRAL PROSTECTOMY W DX2'

/* DISEASES OF MALE GENITAL ORGANS = 58


WHEN 603-6050,607-6079
  SELECT DX1
   WHEN 605,6050,6073                                                =257
```

```
      TITLE  257 '58D1'
                 'REDUNDANT PREPUCE & PHIMOSIS'
      OWISE
         SELECT OPER
            WHEN 000,'   '                                          =258
            TITLE  258 '58D2NS'
                       'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS WO OPER'
            OWISE
               SELECT AGE
                  WHEN 0-44                                         =259
                  TITLE  259 '58D2YSA1'
                             'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS
W OPER OF AGE<45'
                  OWISE                                             =260
                  TITLE  260 '58D2YSA2'
                             'DIS OF MALE GENITAL ORGAN EXCEPT PHIMOSIS
W OPER OF AGE>44'

/* DISEASES OF FEMALE GENITAL ORGANS = 59

WHEN 612-6210,6212-6270,6290,6292,6294,6296-6299
  SELECT OPER
      WHEN 000,'   '
         SELECT DX1
            WHEN 626-6269                                           =261
            TITLE  261 '59NSD1'
                       'DISORDER OF MENSTRUATION WO OPER'
            OWISE
               SELECT MOREDX
                  WHEN 0                                            =262
                  TITLE  262 '59NSD2ND'
                             'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF
MENSTRUATION WO DX2'
                  OWISE                                             =263
                  TITLE  263 '59NSD2YD'
                             'DIS OF FEMALE GEN ORG EXCEPT DISORDER OF
MENSTRUATION W DX2'
      OWISE
      SELECT OPER1
      WHEN A19,A24-A25,A29,A47,A53-A54,030,208,399,670,
           682,685-686,689,70,701-706,709-711,716,719-722,
           725,747,781,853,921
         SELECT MOREDX
            WHEN 0                                                  =264
            TITLE  264 '59YSP1ND'
                       'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,
SALPHINGECTMY WO DX2'
            OWISE                                                     =265
            TITLE  265 '59YSP1YD'
                       'DIS OF FEMALE GEN ORG W D&C,PERINEOSCPY,
OTH MINOR OPER W DX2'
      OWISE                                                         =266
      TITLE  266 '59YSP2'
                 'DIS OF FEMALE GEN ORG W HYSTERECTMY,REPAIR FEMALE GEN ORG,
MAJOR OP'

/* DISEASES OF BREAST = 60

WHEN 217-217C,610-6119
  SELECT MOREDX
      WHEN 0
         SELECT DX1
            WHEN 217-2170,610-6100                                  =267
            TITLE  267 '60NDD1'
                       'BEN NEOPL,CHR CYSTIC DIS OF BREAST WO DX2'
            OWISE                                                   =268
            TITLE  268 '60NDD2'
                       'ACUTE MASTITIS, HYPERTROPHY OF BREAST WO DX2'
      OWISE
         SELECT AGE
            WHEN 0-55                                               =269
            TITLE  269 '60YDA1'
                       'DIS OF BREAST W DX2 OF AGE <56'
```

```
          OWISE                                                    =270
          TITLE  270 '60YDA2'
                     'DIS OF BREAST W DX2 OF AGE>55'

/* ABORTION = 61

WHEN 640-6459
  SELECT MOREDX
     WHEN 0                                                       =271
     TITLE  271 '61ND'
                'ABORTION WO DX2'
     OWISE                                                        =272
     TITLE  272 '61YD'
                'ABORTION W DX2'

/* OBSTETRICAL DISEASES OF ANTEPARTUM AND PUERPARIUM = 62

WHEN 630-6344,6346-6399,670-6730,6739-6780
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
           WHEN 6347                                              =273
           TITLE  273 '62NSD1'
                      'FALSE LABOR WO OPER'
           WHEN 6319,6322,6330,6341,6350,
                6359,6360,6370,6371,6379,6389,
                670,6700,6710,6719,6730,6740,
                675,6750                                          =275
           TITLE  275 '62NSD3'
                      'TOXEMIA,HYPEREMESIS GRAVIDARUM,
THROMBOPHLEBITIS(PUERPERAL) WO OPER'
           OWISE                                                  =274
           TITLE  274 '62NSD2'
                      'THREATENED ABORTION,PLACENTA PREVIA,OTH HEMORR PREGNANCY
 WO OPER'
     OWISE
     SELECT OPER1
     WHEN A46,A53,657,6E5,689,703,704,705,719,720,
          740,747,748,749,750,754,759,781,783                     =276
     TITLE  276 '62YSP1'
                'OBST DIS OF ANTEPARTUM & POSTPARTUM W D&C,
REPAIR INT CERVICAL CS'
     OWISE                                                        =277
     TITLE  277 '62YSP2'
                'OBST DIS OF ANTEPARTUM & POSTPARTUM W SAL-OOPHRCTMY,
OTH MAJOR OPER'

/* NORMAL DELIVERY = 63

WHEN 650-6500
  SELECT OPER1
     WHEN 681,682,685,691-694,700,718                             =279
     TITLE  279 '63P2'
                'DELIVERY W LIGATION OF FALLOPIAN TUBE,SALPINGECTOMY'
     WHEN 771,778,779                                             =280
     TITLE  280 '63P3'
                'DELIVERY WITH C-SECTION'
     OWISE                                                        =278
     TITLE  278 '63P1'
                'DELIVERY WO OPER OR W OPER ASSISTING DELIVERY'

/* DELIVERY WITH COMPLICATION = 64

WHEN 651-6620,6731
  SELECT OPER1
     WHEN 770-779                                                 =282
     TITLE  282 '64P2'
                'DELIVERY WITH COMPLICATION W C-SECTION'
     OWISE                                                        =281
     TITLE  281 '64P1'
                'DELIVERY WITH COMPLICATION WO OPER OR W OPER
```

```
ASSISTING DELIVERY'
/* DISEASES OF SKIN AND SUBCUTANEOUS TISSUE = 65

WHEN 680-6840,686-7099
  SELECT DX1
     WHEN 680-6806,683-6840,686-6869,690-6900,6925,
          6950,6953,6962,6963,6983,700-7069,708-7099
        SELECT MOREDX
           WHEN 0                                                    =283
           TITLE  283 '65D1ND'
                      'KELOID,CICATRIX,SEBACEOUS CYST,
OTH MINOR SKIN DIS WO DX2'
           OWISE                                                     =284
           TITLE  284 '65D1YD'
                      'KELOID,CICATRIX,SEBACEOUS CYST,
OTH MINOR SKIN DIS W DX2'
     WHEN 6927,694-6940,696-6961,6964,7070-7071                      =285
     TITLE  285 '65D3'
                'PSORIASIS, PEMPHIGUS, CHR ULCER OF SKIN'
     OWISE
        SELECT OPER
           WHEN 000, '    '
              SELECT AGE
                 WHEN 0-20                                           =285
                 TITLE  285 '65D2NSA1'
                            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
CHR ULCER WO OPER OF AGE<21'
                 OWISE                                               =286
                 TITLE  286 '65D2NSA2'
                            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
CHR ULCER WO OPER OF AGE >20'
           OWISE
              SELECT MOREDX
                 WHEN 0                                              =287
                 TITLE  287 '65D2YSND'
                            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
ERYTHMA CONDITN W OPER WO DX2'
                 OWISE                                               =288
                 TITLE  288 '65D2YSYD'
                            'CELLULITIS & ABSCESS OF SKIN,ECZEMA,
ERYTHMA CONDITN W OPER W DX2'
/* ARTHRITIS = 66

WHEN 710-7150
  SELECT OPER
     WHEN 000,'    '
        SELECT AGE
           WHEN 0-64                                                 =290
           TITLE  290 '66NSA1'
                      'ARTHRITIS WO OPER OF AGE<65'
           OWISE                                                     =291
           TITLE  291 '66NSA2'
                      'ARTHRITIS WO OPER OF AGE>64'
     OWISE
     SELECT OPER1
     WHEN A27,C39,114,502,682,685,703,804,819,857,861,
          863,866,872,875,876,883,889,891,892,894,899                =292
     TITLE  292 '66YSP1'
                'ARTHRITIS W EXCISN(BONE,JOINT,SYNOVIUM),ARTHRODESIS'
     WHEN A16,A18,030,048,193,240,304,357,391,435,451,
          470,478,561,581,800,801,803,808,870,871,873,933            =294
     TITLE  294 '66YSP3'
                'ARTHRITIS W REPAIR & PLASTIC OPER(JOINT,HIP) LAMINECTOMY'
     OWISE                                                           =293
     TITLE  293 '66YSP2'
                'ARTHRITIS W ARTHROTOMY,SPINAL FUSN,EXCISN INTERVERT CARTILAGE'
/* DERANGEMENT AND DISPLACEMENT OF INVERTEBRAL DISC = 67

WHEN 725-7259
```

```
  SELECT OPER
     WHEN 000, '    '                                                  =295
     TITLE  295 '67NS'
                'DEARANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC WO OPER'
     OWISE                                                             =296
     TITLE  296 '67YS'
                'DEARANGEMENT & DISPLACEMENT OF INTERVERTEBRAL DISC W OPER'

/* DISEASES OF BONE AND CARTILEGE = 68

WHEN 7171-7180,720-7249
  SELECT OPER
     WHEN 000,'    '
        SELECT DX1
           WHEN 720-7202,7210,7223,7230,7232,7241                      =298
           TITLE  298 '68NSD2'
                      'OSTEOMYELITIS (ACUTE,CHR),OSTEOPOROSIS,SPONT FRACTURE
WO OPER'
           OWISE                                                       =297
           TITLE  297 '68NSD1'
                      'RHEMATISM,PERIOSTITIS,OTH MINOR BONE DIS WO OPER'
     OWISE
     SELECT OPER1
     WHEN A29,A4,A59,052,170,249,303,461,579,802,806,
          811,814,861,862,863,864,865,869,873,876,877,878,
          880,881,882,883,884,887,888,889,893,894,930,
          949,973,974,994                                              =299
     TITLE  299 '68YSP1'
                'DIS OF BONE & CARTILAGE W EXCISN SEMILUNAR CART,
REPAIR OTH JOINT'
     WHEN A15,A16,A19,A22,A26,A27,A28,A43,A45,A46,A49,
          015,020,030,031,033,196,308,320,575,694,800,
          801,803,810,821,825,841,843,844,845,847,850,
          855,856,857,870,871,874,875,920,921,924,925,970              =301
     TITLE  301 '68YSP3'
                'DIS OF BONE & CARTILAGE W AMPUTATION,
ARTHROPLASTY HIP,OTH MAJOR OPER'
     OWISE                                                             =300
     TITLE  300 '68YSP2'
                'DIS OF BONE & CARTILAGE W ARTHROTMY,
EXCISN BONE,FUSN BONE'

/* OTHER DISEASES OF MUSCULO-SKELETAL SYSTEM = 69

WHEN 716-7170,726-7389
  SELECT OPER
     WHEN 000,'    '
        SELECT DX1
           WHEN 7270,7271,7274,727o,7280,7292,7294,
                7296,730-7319,7332,7334-7336,
                7350-7352,7359,736-7370,7380,7382,
                7383,7386,7387                                         =302
           TITLE  302 '69NSD1'
                      'BUNION,SYNVITIS,BURSITIS,TENOSYNVITIS,
SCLIOSIS,DEFORM FOOT WO OPER'
           OWISE
              SELECT MOREDX
                 WHEN 0                                                =303
                 TITLE  303 '69NSD2ND'
                            'LUMBALGIA,DIFF DIS OF CONN TISS,
MYOSITIS WO OPER WO DX2'
                 OWISE                                                 =304
                 TITLE  304 '69NSD2YD'
                            'LUMBALGIA,DIFF DIS OF CONN TISS,
MYOSITIS WO OPER W DX2'
     OWISE
        SELECT DX1
           WHEN 7274,7278,7292-7294,7312-7314,
                7317-7320,7331-7332,7334-7336,
                7380,7383,7387                                         =305
           TITLE  305 '69YSD1'
                      'SYNOVITIS,TENDONITIS,BURSITIS,DEFORMITY
(FINGER,TOE,PALM) W OPER'
```

```
            OWISE
               SELECT OPER1
                  WHEN A18,A20,A29,A59,039,042
                       048,063,074,092,093,193,
                       252,394,682,725,825,
                       850,855,861,869,880,882,
                       888,889,891,892,893,898,
                       899,930,937,949,982                          =306
                  TITLE  306 '69YSD2P1'
                             'OTH DIS OF MUSCULOSKELETAL SYST(MAJOR)
W MINOR OPER'
                  WHEN A14,A16,A22,A25,A27,A44,
                       A45,A46,A49,030,031,033,
                       035,051,205,230,240,320,
                       321,329,513,521,575,
                       579,582,652,703,800,
                       801,810,816,821,826,857,
                       864,870,871,874,894,921,
                       922,925,933                                  =308
                  TITLE  308 '69YSD2P3'
                             'OTH DIS OF MUSCULOSKELETAL SYST(MAJ)
W SPINAL FUSN,OTH MAJOR OPER'
                  OWISE                                             =307
                  TITLE  307 '69YSD2P2'
                             'OTH DIS OF MUSCULOSKELETAL SYST(MAJ) W EXCISN,
REPAIR(SML JNT,BONE)'
            /* CONGENITAL ANOMALIES = 70

            WHEN 740-7433,7438-7570,7572-7599
              SELECT OPER
                 WHEN 000,'    '
                    SELECT DX1
                       WHEN 741-7419,742,7420,743-7439,7460,
                            7462-7464,7469,747-7479,7484-7489,
                            749-7492,7503,7512,7514,7517,
                            7530-7536,7538,7539,7551,7555,
                            7556-7562,7567-7574,7579,7583-7589,
                            7593,7594,7598                          =310
                       TITLE  310 '70NSD2'
                                  'CONGENITAL ANOMALY(HEART,KIDNEY,OTH MAJOR) WO OPER'
                       OWISE                                        =309
                       TITLE  309 '70NSD1'
                                  'OSTEOGENESIS IMPERFECTA,PYLORIC STENOSIS,
UNDESC TESTICLE WO OPER'
                 OWISE
                    SELECT DX1
                       WHEN 744-7449,745-7459,7480-7483 ,
                            750-7501,7509,752-7521,7524-7529,
                            7530,7536,7537,7539,7550,7551,
                            7554,7555,7559,757-7579,
                            758-7583                                =311
                       TITLE  311 '70YSD1'
                                  'CONG ANOM(TESTICLE,SKIN,PYLORIC STENOSIS,OTH MINOR)
W OPER'
                       WHEN 741-7419,742,743-7439,7460-7462,
                            7468,7470,7471,7473,7474,7510,7511,
                            7513,7514,7516-7519,7522,7523,7531,
                            7532,7534,7535,7538,7560,7563,
                            7567
                          SELECT OPER1
                             WHEN A18,A42,A43,A46,012,042,
                                  076,174,193,195,240,246,
                                  270,288,302,303,399,467,
                                  483,505,516,557,559,
                                  561,568,571,574,575,597,
                                  682,692,804,808,812,816,
                                  870,871,872,875,887,899,
                                  951,975                           =315
                             TITLE  315 '70YSD3P1'
                                        'ASD,TOF,PDA,COA,HYPOSPADIA W CATHRZN,
REPAIR URETHRA'
                             OWISE                                  =316
                             TITLE  316 '70YSD3P2'
```

```
                        'ASD,TOF,PDA,COA W OPER ON VALVE,SEPTUM,SHUNT'
            WHEN 7472,7476,7476,7484-7489,7502,7503,
                 7508,7512,7515,7561,7562                              =317
            TITLE  317 '70YSD4'
                        'CONG ANOM(SPINE,ESOPHAGEAL ATRESIA,HIRSCHSPRUNG DIS)
W OPER'
            OWISE
               SELECT OPER1
                  WHEN A16,A25,A26,A43,A46,020,029,
                       117,121,165,170,190,191,193,199,213,
                       229,271,302,303,304,323,395,
                       461,477,557,597,802,806,808,
                       826,827,856,860,876,881,882,
                       899,920,921,930,942,944,949,
                       961                                             =312
                  TITLE  312 '70YSD2P1'
                        'CONG ANOM OF HT(VALVE,UNSPEC)W HT CATHETERIZATN'
                  WHEN A44,022,024,030,034,077,090,
                       132,195,205,245,248,270,274,
                       280,284,292,295,294,295,296,
                       298,307,320,329,388,391,400,
                       467,471,474,475,478,485,503,
                       516,544,545,546,801,820,871,
                       874,877,993                                     =314
                  TITLE  314 '70YSD2P3'
                        'CONG ANOM OF HT(VALVE,UNSPEC)W OPER ON
HT(VALVE,SEPTUM)'
                  OWISE                                                =313
                  TITLE  313 '70YSD2P2'
                        'CONG ANOM(PALATE,LIP,HIP,OTH EXTR)W
REPAIR(LIP,PALATE),ARTHRODESIS'

/* NORMAL MATURE BORN = 71

WHEN Y20-Y209,Y22-Y239,Y26-Y279                                        =318
TITLE  318 '71'
            'NORMAL MATURE BORN'

/* CERTAIN DISEASES & CONDITIONS PECULIAR TO NEWBORN INFANTS = 72

WHEN Y21-Y219,Y24-Y259,Y28-Y299,Y005,760-7799
  SELECT DX1
     WHEN Y005,7611,7613,7689,7691,770,7722,7729,7749,
          7750,7751,7752,7759,776,7760,7764,7769,778,
          7781,7782,7789,7799                                          =319
     TITLE  319 '7201'
                'WELL BABY CARE,POST MATURITY,OTH MINOR DIS
OR COND OF NEWBRN INFNT'
     OWISE
        SELECT MOREDX
           WHEN 0                                                      =320
           TITLE  320 '7202ND'
                        'IMMATURITY,HYALINE MEMB DIS,OTH MAJOR DIS
OR COND OF INFANT WO DX2'
           OWISE                                                       =321
           TITLE  321 '7202YD'
                        'IMMATURITY,HYALINE MEMB DIS,OTH MAJOR DIS
OR COND OF INFANT W DX2'

/* SYMPTOMS AND SIGNS REFERABLE TO NERVOUS, RESPIRATORY, AND CIRCULATORY

/*  =73

WHEN 4432,780-7803,7814-7815,7817-7823,7825-7834,7836-7837
  SELECT OPER
     WHEN 000,'   '
        SELECT MOREDX
           WHEN 0                                                      =322
           TITLE  322 '73NSND'
                        'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) WO OPER WO DX2'
           OWISE
```

```
            SELECT DX1
               WHEN 7805,7806,7815,7817,
                    7818,7822,7826,7828,
                    7831,7832,7833                                    =324
               TITLE  324 '73NSYDD2'
                          'VERTIGO,ENCEPHALOPATHY,DYSPNEA,
HEMOPTYSIS WO OPER W DX2'
               OWISE                                                  =323
               TITLE  323 '73NSYDD1'
                          'CONVULSION,SYNCOPE,EPISTAXIS,CHEST PAIN
WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A14,A16,A20,A26,A43,048,051,171,191,193,195,197,
          206,250,251,268,302,303,323,557,601,714,
          716,740,747,750,803,807,864,865,872,881,887,
          920,921,925,951,984,994,999                                  =325
     TITLE  325 '73YSP1'
                'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MINOR OPER'
     OWISE                                                            =326
     TITLE  326 '73YSP2'
                'SYMPTOM OR SIGNS(NERVE,RESP,CIRCUL SYST) W MAJOR OPER'

/* SYMPTOMS & SIGNS REFERABLE TO GI & URINARY SYSTEM = 74


WHEN 784-7865
  SELECT OPER
     WHEN 000,'    '
        SELECT MOREDX
           WHEN 0                                                     =327
           TITLE  327 '74NSND'
                      'SYMPTOM OR SIGNS(G-I,URINARY SYST) WO OPER WO DX2'
           OWISE                                                      =328
           TITLE  328 '74NSYD'
                      'SYMPTOM OR SIGNS(G-I,URINARY SYST) WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A18,A27,A42,A44,A46,A49,A53,219,226,
          244,395,411,435,465,467,474,568,575,
          612,682,685,703,716,719,725,747,862,881                     =329
     TITLE  329 '74YSP1'
                'SYMPTOM OR SIGNS(G-I URINARY SYST) W ENDOSCOPY,OTH MINOR OPER'
     OWISE                                                            =330
     TITLE  330 '74YSP2'
                'SYMPTOM OR SIGNS(G-I URINARY SYST) W EXPL LAPARTMY,
OTH MAJOR OPER'

/* MISCELLANEOUS SIGNS,SYMPTOMS,& ILL-DEFINED CONDITIONS = 75


WHEN 606-6060,628-6230,6293,6295,7810-7813,7816,7835,
     7866-7889,790-7910,793-7969
  SELECT OPER
     WHEN 000,'    '
        SELECT DX1
           WHEN 606,6060,629,6280,6293,6295,7866,7867,
                7930,7931,7938,7939                                   =331
           TITLE  331 '75NSDI'
                      'STERILITY(MALE,FEMALE),ADMISSION FOR OBSERV WO OPER'
           OWISE
              SELECT AGE
                 WHEN 0-14                                            =332
                 TITLE  332 '75NSD2A1'
                            'ELECTRLYT DISOR,HEDACHE,PYREXIA,OTH ILL-DEF
SYMT WO OPER OF AGE<15'
                 OWISE                                                =333
                 TITLE  333 '75NSD2A2'
                            'ELECTRLYT DISOR,HEDACHE,PYREXIA,OTH ILL-DEF
SYMT WO OPER OF AGE>14'
     OWISE
     SELECT OPER1
     WHEN A14,A22,A23,A24,A42,A46,A53,A54,A59,040,
          042,046,048,073,094,105,106,213,221,240,
          268,302,390,394,395,411,557,571,575,590-
```

```
          592,597,599,601,602,604,609,652,685,686,
          689,702,703,704,706,708,709,710,711,713,716,
          719,720,725,747,771,803,860,876,892,894,
          899,920,931                                                    =334
     TITLE  334 '75YSP1'
                'MISC SYMPT OR SIGNS W PERINEOSCOPY,CYSTOSCOPY OTH MINOR OPER'
     OWISE                                                               =335
     TITLE  335 '75YSP2'
                'MISC SYMPT OR SIGNS W HYSTERECTOMY,EXPL LAPARTMY,
OTH MAJOR OPER'

/* FRACTURES = 76

WHEN 800-8299
  SELECT OPER
     WHEN 000,'    '
        SELECT DX1
           WHEN 800-8009,8010,8020,8022,8024,8030,8031,8059,
                8069,8074,8079,810,8100,8119,8129,813,8130,8132,8134,
                8139,814-8149,8150,8159,8160-8169,8170,8180,
                8221,823-8230,8233,824-8249,8250,8260,8270,8290
              SELECT AGE
                 WHEN 0-29                                               =336
                 TITLE  336 '76NSD1A1'
                            'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND)
WO OPER OF AGE<30'
                 OWISE                                                   =337
                 TITLE  337 '76NSD1A2'
                            'FX(SKULL,FACE,FOREARM,TIBIA,FIBULA,FOOT,HAND)
WO OPER OF AGE>29'
           WHEN 8019,8050,8052,8054,8070,8072,8089,8120,8120,
                8122,8124,8204,8220,8231,8232,8239
              SELECT AGE
                 WHEN 0-64                                               =338
                 TITLE  338 '76NSD2A1'
                            'FX(SPINE  ,RIB,HUMERUS) WO OPER OF AGE<65'
                 OWISE                                                   =339
                 TITLE  339 '76NSD2A2'
                            'FX(SPINE,RIB,HUMERUS) WO OPER OF AGE>64'
           OWISE                                                         =340
           TITLE  340 '76NSD3'
                      'FX(FEMUR,PELVIS,MULTIPLE) WO OPER'
     OWISE
     SELECT OPER1
     WHEN A42,041,045,046,059,060,074,090,093,099,106,163,191,
          193,194,196,199,208,242,394,464,472,513,685,720,800,
          802,803,810,811,812,813,830,833,834,840,850,853,861,
          863,864,869,872,876,881,889,893,894,899,924,937,942,
          974,975,976,979,980,981,984,985,999
        SELECT DX1
           WHEN 8010,802-8021,8025-8029,8049,8079,
                8100,8110,813-8130,8132-8135,814-8149,
                8159,816-8169,8203,8213,823,8232,
                8233,8241,8259,8260,8290
              SELECT MOREDX
                 WHEN 0                                                  =341
                 TITLE  341 '76YSP1D1ND'
                            'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE
REDUCTN WO DX2'
                 OWISE                                                   =342
                 TITLE  342 '76YSP1D1YD'
                            'FX(NASAL,FOREARM,HAND,LOWER LEG,FOOT) W CLOSE
REDUCTN W DX2'
           OWISE
              SELECT MOREDX
                 WHEN 0                                                  =343
                 TITLE  343 '76YSP1D2ND'
                            'FX(MANDBLE,HUMERUS,ANKL)W CLS REDUCTN,
OPEN REDUCTN FOR FACE WO DX2'
                 OWISE                                                   =344
                 TITLE  344 '76YSP1D2YD'
                            'FX(MANDBLE,HUMERUS,ANKL)W CLS REDUCTN,
OPEN REDUCTN FOR FACE W DX2'
     WHEN A19,A27,A41,A43,A44,A45,A46,A49,010,013,022,030,
```

```
          033,040,145,165,190,205,247,273,304,320,321,345,
          391,403,451,462,475,512,560,562,566,568,575,
          581,582,652,801,814,815,820-829,841,855,870,
          871,874,883,891,921,935,936,993                          =348
     TITLE  348 '76YSP3'
                'FX OF BONE W AMPUTATN,ARTHROPLASTY OF HIP,OTH MAJOR OPER'
     OWISE
        SELECT DX1
          WHEN 8011,3020,8021,8025,8029,8031,8054,8062,
               8071,8100,8109,8110,8124,8129,8130,8131,
               8132,8134,8139,8149,8150,8151,8159,8160,
               8161,8169,8170,8171,8180,8221,8229,
               825,8250,8259,8260,8261,8269                        =345
          TITLE  345 '76YSP2D1'
                     'FX(ARM,HAND,FOOT,CLAVICLE) W OPEN REDUCTN,EXT FIXATN,
DEBRIDEMENT'
          WHEN 8000,8010,802,8023,8030,8050,8056,
               8072,8080,8090,812-8121,8123,8135,
               8200,8202-8204,8210-8213,8231,
               8233,8241,8270,8281                                 =347
          TITLE  347 '76YSP2D3'
                     'FX(FEMUR,PELVIS) W OPEN REDUCTN,EXT FIXATN,
DEBRIDEMENT'
          OWISE                                                    =346
          TITLE  346 '76YSP2D2'
                     'FX(ANKLE,TIBIA & FIBULA) W OPEN REDUCTN,EXT FIXATN,
DEBRIDEMENT'

/* DISLOCATION AND OTHER MUSCULO-SKELETAL INJURY = 77

WHEN 830-8480
  SELECT OPER
     WHEN 000,'   '
        SELECT DX1
          WHEN 8300,8350,8395,844-8440,846-8470,
               8478,8479                                           =350
          TITLE  350 '77NSD2'
                     'DISLOCATN(JAW,HIP),SPRAINS(KNEE,SACROILIAC,OTH UNSPEC)
WO OPER'
          OWISE                                                    =349
          TITLE  349 '77NSD1'
                     'DISLOCATN(SHOULDER,ELBOW,WRIST,KNEE)SPRAINS
(ANKL,FOOT,HAND) WO OPER'
     OWISE
        SELECT DX1
          WHEN 8300,8301,8310,8311,8320,8330,
               8339,8340,8341,8349,8379,8381,
               8389,8397,841,8410,842,8420,
               8421,8451                                           =351
          TITLE  351 '77YSD1'
                     'DISLOCATN(SHOULDER,ELBOW,HAND)SPRAINS
(ELBOW,WRIST,HAND) W OPER'
          WHEN 8319,8350,8359,8370,8390,8395,
               8430,846,8460,8470,8478,8479                        =353
          TITLE  353 '77YSD3'
                     'DISLOCATN(HIP,MULTIPLE),SPRAINS
(HIP,SACROILIAC,OTH UNSPEC) W OPER'
          OWISE                                                    =352
          TITLE  352 '77YSD2'
                     'DISLOCATN(KNEE,ANKLE),SPRAINS
(SHOULDER,KNEE,ANKLE) W OPER'

/* INTERNAL INJURY OF CRANIUM,CHEST,AND OTHER ORGANS = 78

WHEN 850-8699,950-9599,9953,9954
  SELECT OPER
     WHEN 000,'   '
        SELECT AGE
          WHEN 0-40
             SELECT MOREDX
                WHEN 0                                             =354
                TITLE  354 '78NSAIND'
                           'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER
```

```
WO DX2 OF AGE<41'
                OWISE                                                   =355
                TITLE  355 '78NSA1YD'
                           'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER
W DX2 OF AGE<41'
           OWISE                                                        =356
           TITLE  356 '78NSA2'
                      'INTERNAL INJURY OF CRANIUM,OTH ORG WO OPER OF AGE>40'
     OWISE
     SELECT OPER1
     WHEN A42,A44,A49,020,040,042,044,045,046,048,073,170,
          195,249,263,321,345,384,390,394,483,513,545,568,
          685,706,709,716,845,860,873,877,880,885,886,887,
          891,892,893,894,896,925,930                                   =357
     TITLE  357 '78YSP1'
                'INTERNAL INJURY W SUTURE(SKIN,NERVE),NEUROPLASTY,
OTH MINOR OPER'
     WHEN A43,010,013,030,039,074,101,199,205,206,242,245,247,
          278,285,324,343,380,382,391,422,423,462,466,
          474,475,476,479,484,500,516,540,565,574,575,
          582,590,824,830,833,840,864,874,933,981,984                   =359
     TITLE  359 '78YSP3'
                'INTERNAL INJURY W CRANIOTOMY,EXPL LAPAROTOMY'
     OWISE                                                              =358
     TITLE  358 '78YSP2'
                'INTERNAL INJURY W SPLENECTMY,THORACOTMY,PLEUROTMY,EXCISN SKIN'

/* OPEN WOUND AND SUPERFICIAL INJURY = 79

WHEN 870-939C,996-9969
  SELECT OPER
     WHEN 000,'    '
        SELECT DX1
           WHEN 870-8709,872-8729,8732,8740,8750,
                8760,8770,8771,8780,8781,8790,8800,
                8801,8810,8811,8812,8820,8822,8829,
                8830,8839,885-8859,8869,8879,8910,
                8920,8930,8939,9030,9070,9100,9110,
                9120,9130,9140,9150,9159,9170,
                9250,9260,930-9350,938-9390,
                9963-9965                                               =360
           TITLE  360 '79NSD1'
                      'OPEN WOUND NOT COMPLICATED,SUPERFICIAL INJURY,
FOREIGN BODY WO OPER'
           OWISE
              SELECT MOREDX
                 WHEN 0                                                 =361
                 TITLE  361 '79NSD2ND'
                            'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY
WO OPER WO DX2'
                 OWISE                                                  =362
                 TITLE  362 '79NSD2YD'
                            'OPEN WOUND COMPLICATED,CONTUSN,MULTIPLE INJURY
WO OPER W DX2'
     OWISE
     SELECT OPER1
     WHEN A12,A27,A45,A46,A49,059,063,090,093,100,101,
          113,114,118,121,131,145,147,149,205,206,242,246,
          247,248,249,251,278,290,305,320,321,323,342,
          345,350,382,388,391,393,394,395,423,451,460,
          464,475,478,484,505,513,544,560,575,579,590,
          591,614,716,800,804,807,816,825,827,843,844,847,850,
          851,857,873,880,886,896,900,921,933,936,955,
          980,981,984
        SELECT DX1
           WHEN 870-8709,8710,8729,8730-8732,8737,
                8739,8760,8780,8781,8798,8801,8810,
                8821,8829,883-8832,8839,8840,8850,
                8860-8869,8912,8922,8929,8940,
                9010,9039,9060-9159,9200,9219,9230,
                9279,9280,9289,930-9310,9964,9965                       =365
           TITLE  365 '79YSP2D1'
                      'OPEN WOUND(EXTR),SUPERF INJURY W EXCISN,DEBRIDMENT,
OTH MAJOR OPER'
```

```
            OWISE                                                    =366
            TITLE   366 '79YSP2D2'
                        'OPEN WOUND(COMPL,BODY,MULTIPLE)W EXCISN,DEBRIDMENT,
OTH MAJOR OPER'
      OWISE
         SELECT DX1
            WHEN 8700,8709,8720,8729,8732,8760,
                 8740,8750,8760,8770,878,8781,
                 8810,8819,8820,8322,8630,8832,
                 8842,8869,8920,8921,8931,9011,
                 9030,9032,9109,9110,9140,9150,
                 9159,9219,9239,9260,9269,
                 928-9390,9961,9963,9965,9967                        =363
            TITLE   363 '79YSP1D1'
                        'OPEN WOUND(EXTR),FOREIGN BODY W ENDOSCPY,SUTURE,
OTH MINOR OPER'
            OWISE                                                    =364
            TITLE   364 '79YSP1D2'
                        'OPEN WOUND(COMPL,HEAD,MULTIPLE) W ENDSCPY,SUTURE,
OTH MINOR OPER'

/*  BURN = 80

WHEN 940-9499
  SELECT DX1
      WHEN 9400,9409,9410,9411,9412,9419,9422,9429,
           9430,9431,9432,9438,9440,9441,9442,
           9448,945,9450,9451,9452,9459,9460,
           9471,9490,9491                                            =367
      TITLE   367 '80D1'
                  'BURN OF 1ST DEGR,2ND DEGR UNCOMPL, LESS THAN 20% OF BODY'
      OWISE                                                          =368
      TITLE   368 '80D2'
                  'BURN OF 2ND DEGR COMPL, 3RD DEGR, MORE THAN 20% OF BODY'

/* COMPLICATION OF SURGICAL AND MEDICAL CARE = 81

WHEN 997-9991,9993-9999
  SELECT OPER
      WHEN 000,'   '
         SELECT MOREDX
            WHEN 0                                                   =369
            TITLE   369 '81NSND'
                        'COMPL OF SURGICAL OR MEDICAL CARE WO OPER WO DX2'
            OWISE                                                    =370
            TITLE   370 '81NSYD'
                        'COMPL OF SURGICAL OR MEDICAL CARE WO OPER W DX2'
      OWISE
      SELECT OPER1
      WHEN A27,A43,A46,A49,A53,012,039,040,042,046,059,
           072,073,079,090,093,094,099,102,113,119,
           120,135,139,143,161,171,172,195,206,208,214,
           220,242,245,276,287,303,320,322,357,386,
           395,430,482,505,512,518,520,542,560,562,
           590,650,652,659,672,702,703,706,708,709,
           713,714,715,716,719,720,781,782,785,800,
           803,832,843,850,889,899,922,943,944,955,
           966,969,976,990                                           =371
      TITLE   371 '81YSP1'
                  'COMPL OF SURGICAL OR MEDICAL CARE W MINOR OPER'
      WHEN A45,020,045,091,248,249,302,305,309,329,390,
           393,466,483,572,575,582,601,657,671,692,
           712,718,757,785,816,891,893,920,925,930,970               =372
      TITLE   372 '81YSP2'
                  'COMPL OF SURGICAL OR MEDICAL CARE W
REPLACE HT DEVICE,REPAIR STOMA'
      OWISE                                                          =373
      TITLE   373 '81YSP3'
                  'COMPL OF SURGICAL OR MEDICAL CARE W REVISN SHUNT,
OTH MAJOR OPER'

/* ADVERSE EFFECTS OF A CERTAIN SUBSTANCE = 82
```

```
WHEN 960-9959
    SELECT DX1
        WHEN 9610,9620,9631,9642,9644,9655,9680,9730,9731,9832,
             984-9869,9904-9912,9920,9942,9948,9949,9952,
             9901,9902,9913,9919,9951,9957,9958,9959
             SELECT DX2
                  WHEN 0000,'    '                                          = 376
  TITLE 376 'E2D2ND'
            'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,RADIATION) WO DX2'
                  OWISE                                                    = 377
  TITLE 377 '82D2YD'
            'TOXIC EFFECT(LEAD,ACID,ALKALI,CARBON MONOXIDE,RADIATION) W DX2'
        OWISE
             SELECT DX2
                  WHEN 0000,'    '                                          = 374
  TITLE 374 '82D1ND'
            'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOL WO DX2'
                  OWISE                                                    = 375
  TITLE 375 '82D1YD'
            'ADVERSE EFFECT OF DRUG,TOXIC EFFECT OF ALCOHOLIC W DX2'
/*SPECIAL ADMISSIONS AND EXAMINATIONS WITHOUT REPORTED DIAGNOSIS = 83
WHEN Y00-Y199,Y50-Y869
    SELECT OPER1
        WHEN 000,'    '
             SELECT DX1
                  WHEN Y001,Y003,Y019,Y06C,Y063,Y070,Y125,
                       Y128,Y130,Y140,Y151,Y159,Y160,Y162,Y165,
                       Y184,Y199,Y516,Y548,Y624,Y722,Y772,Y773,
                       Y775,Y832,Y864,Y016                                 = 378
  TITLE 378 '83NSD1'
            'PRENATAL CARE,MEDICAL & SURGICAL AFTER CARE(DIALYSIS) WO OPER'
                  WHEN Y039,Y061,Y069,Y071,
                       Y129,Y154,Y156,Y158,Y191,Y583,
                       Y721,Y735,Y760,Y783,Y796,Y799,Y849,Y852,
                       Y859,Y861,Y123                                      = 379
  TITLE 379 '83NSD2'
            'ADMISSION(FOR STERILIZATION,CHEMOTHER,RADIATION THER) WO OPER'
                  OWISE                                                    = 380
  TITLE 380 '83NSD3'

            'FOLLOWUP(CA),SURG-MED AFTR CARE(COLOSTOMY,ORTHOP,OTH) WO OPER'
        WHEN 571,589,913,919,036-039,082,
             089,094,097,112,170,176,177,120,130,166,180,186,
             189,200,202,191,194,196,195,209,317,241,283,284,
             285,933,531-533,444,482,560,561,569,574,614,
             625,634,635,636,665,671,672,694,
             691,674,701,709,700,725,751,753,
             730,722,754,690,796,803,830,824,829,
             895,896,185,900,899,902,904,909,230,663                       = 381
  TITLE 381 '83YSP1'
            'SPECIAL ADMISSION W OPER ON STERILIZATION OR D&C'
        WHEN 238,240,261,270,271,280,300,418,428,411,500,514,
             520,071,550,591,602,621,630,642,922,925,093,398,149,
             144,401,353,352,351,378,534,573,585,637,639,641,661,
             666,664,670,692,693,699,750,721,756,788,859,839,
             880,881,883,187,873,251,252,253,254,273,
             024,171,530,581,582,598,626,662,669,779,831,838,860,885,
             891                                                           = 382
  TITLE 382 '83YSP2'
            'SPECIAL ADMISSION W CYSTOSCOPY,REMOVAL OF FIX DEVICE(INTERNAL)'
        OWISE                                                              = 383
  TITLE 383 '83YSP3'
            'SPECIAL ADMISSION W EXPL LAPAROTMY,HYSTERECTMY,OTH MAJOR OPER'
OWISE                                                                      = 384
TITLE 384 '****'
          'UNGROUPED'
```

*U.S. GOVERNMENT PRINTING OFFICE : 1978 - 720-337 8165

CMS LIBRARY
3 8095 00012082 0